The New

# APPI

Advance Planning Procurement Information



PROGRAM

For

INDUSTRY

U. S. ARMY MATERIEL COMMAND

# APPI

# ADVANCE PLANNING PROCUREMENT INFORMATION

# Army Materiel Command Regulation 715-72

APPI is defined as "information regarding current and future requirements for Army procurement" and is generated by the Army Materiel Command element having procurement responsibility for the item.

The APPI Program consists both of the information which can be classified or unclassified and the mechanics by which the information may be transmitted to industrial sources without endangering the National security or creating a competitive advantage for one or a group of sources.

APPI on any given item is packaged into a single sheet form that includes pertinent historical and descriptive facts; current fiscal year procurement actions; quantities, production rates; availability of technical data; anticipated methods of procurement; and the Army's planned procurements through the following six fiscal years.

APPI is processed and transmitted to interested sources through a network of geographically dispersed Army/Industry Materiel Information Liaison Offices (AIMILO) created for that purpose. Presently AMC has established an AIMILO at each of its major procuring elements: USA MICOM...USA MUCOM...USA ECOM ... USA WECOM ... USATAC ... USA AVCOM ... USAMEC and in two contact points: Southwest Procurement Agency, Los Angeles and Northwest Procurement Agency, San Francisco.

APPI generated by one procuring element is distributed immediately to all other AIMILOS. A synopsis of the APPI is prepared and published the first Tuesday of each month by U. S. Department of Commerce in the COMMERCE BUSINESS DAILY, P. O. Box 5999, Chicago, Illinois 60680 before the APPI itself may be released. Only then may APPI be mailed by the procuring element to names on its bidders lists or released by other AIMILOS to industrial sources which were alerted by synopsis publication. AIMILOS are furnished also a background data file on each item in order to assist them in servicing "local" industry.

As a result of this new Army program industry may obtain from any one of nine AIMILOs advance planning procurement information at the earliest possible time in the procurement planning cycle and be assured that this APPI is identical with the information being released at any other AMC element or office.

In cases where the APPI is classified the security clearance required to receive such information will be noted in the published synopsis. Proof of appropriate security clearance will be necessary before any AIMILO will release the classified APPI. If interested industries lack appropriate security clearance, they may initiate actions to secure clearance at any AIMILO.

By introducing the APPI Program the Army seeks to place all industry in a far better competitive position by furnishing the most comprehensive future marketing picture ever attempted.

In return the Army expects to acquire products and services at a much reduced cost figure due to increased competition spurred by the APPI Program.

APPI has been received enthusiastically by both AMC participating elements and user industries. Although the Army still is evaluating results obtained so far there seems to be little doubt that an expanded APPI Program will play a major part in the Army's future Industry Information effort.

# COMMERCE BUSINESS DAILY

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CHICAGO, ILL. 60607

# ADVANCE PLANNING PROCUREMENT INFORMATION

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AFPI No. 5 Frequency Melar, AN/TSMfrequency data; 20 cps to 1 mc, 0.001 pct
actuates, internal frequency calibrating crystal Infrequency data; 20 cps to 1 mc, 0.001 pct
actuates, internal frequency calibrating crystal Infred control of the control of the control of the control of the confidence of the

to retain the APPI. USAECOM.

APPI No. 6 Radio Receiver R-3000()/URR; detail purpose; fixed or mobile use; provides research of CW. MCW. AM; FSK and SSB signals in the 0.5 to 32 mes frq range; a.f. output power 900 melisatts; acc. input 115 to 230 volts; recvital bration accurate to within 300 cycles per second; appear 10.15/32" x 19" x 16-19/32" o/a dim; wt appear 15 15ts; per Military Specifications and Government Drawings. Approx 900 drawings are inspired and will be available with any solicitation. Production samples, item Descriptions, etc., are required. FSN formerly 5820-538-7555. Confidential retained is required to obtain the APPI. USA-

APPI No. 7—Interphene Control C-1611()/AIC is Completely transistorized basic unit of the 6 place interphene System containing complete switching facilities, monitoring facilities and emergency talk and strening facilities. Weight of C-1611()/AIC is 4.12 pounds, cube is 0.27 cubic feet. Pederal Bices No. 5831-267-9252 C-1611B/AIC. Confidential Gearance required to receive APPI. USAECOM.

APPI No. FA1 Ctg. Ca1. 22 Ball. long rifle; a lead billet, commercial design, contains non-corrosse and nonmercuric primer composition, etg. case a strong 13pc; FSN1305-(AO35); no clearance re-4-dired. FA-USAMUCOM.

APPI No. FA2 Ctg., Cal. .45 Ball M1911 service stude, consists of gilding metal-clad steel or copper-titled steel facket and a slug of lead antimony; 55% 1855 (A475); no clearance required. FA-USA-MUCOM.

AFPI No. EA1 Complessor reciprocating power-disean flame thrower 3-1/2 CFM AN-M4. FSN 142592 5559 and 1640-078-5431. Compressor consists of a flame group, an engine group, a compressor group, and an accessory group. The entire control which approximately 72 pounds. Secret clear-size required EA-USAMUCOM.

APPI No. EAJ Decontaminating apparatus power differs truck-mounted 400 gallon My. FSN 4230-18314. Consists of a 400 gallon capacity steel tark with paddle-type agitator, a 20 gallon determined tark a high pressure pump, plping, valves, marticle characteristics, and hose mounted on an Ebantleman. Secret clearance required. EA-

APPI No. EA4 Filter unit gas particulate tank for man 20 CFM MI3AI. FSN 4240-964-9061. Scarsists of procleaner-particulate filter assembly, fair filter, heater, various hoses and installation kit. Secret clearance required. EA-USAMUCOM.

APPI No. EA5 Mask protective, Aircraft M24, F5N 4343 E68-8799, 4240-776-4384, and 4240-808-8796. Consists of canister, carrier, facepiece, face-and carriers antiglare outsert, anti-dim set, general EA USAMUCOM.

APPI No. PAI Container for Warhead Section XM683E2 Approximate Envelope of 4'x4'x15', 2000 https://doi.org/10.1006/10.

APPI No. PA2 Sensitive Switch, XM22. Scaled Switch which mases missile separations. Switch plus Tabling and Potted Connector weighs approximately the F5N 5930 034-4297. PA/USAMUCOM. Settlement required.

APPI No. PA3 Container for XM467 for Projectile. Aluminum construction with hinged, gasketed cover. Includes compartment for Fuze and Accessories such as Cradies, Clamps, Hundles, and Cushioning Material. Overall dimensions, with wood skids attached, 57" long, 22" wide, 20-3/32" high. Inside dimensions are 52.59" long, 16.62" wide, 14.12" high. FSN 8140-020-0462. PA/USAMUCOM. Secret clearance required.

APPI No. API Amminition item metal fabrication. Case cartridge 105mm M148BI. One piece
design manufactured from spheroidized steel disc,
deep drawn, approximately 23.975 inches long by
5.3302 inch outside diameter. Tapered shape, wall
thickness varies .685 to .059 inches. Complete heat
treated zinc plating and chromate treatment, considered difficult to produce item to applicable specifications. Plant requires lightly competent technical
staff engineers, metallinglists, chemists, and tool
design engineers for mass production of this item.
APSA-USAMUCOM. Secret clearance required.

APPI No. AP2 Ammultion item metal fabrication. Case cartridge 106mm M93III. Assembly 24.0
inches long by 5.148 ontside diameter. 1030 steel
strip QQ-S-700 performated, welded to form tube,
head assembled and copper brazed to tube. Heat
treatment and siress relief must be performed,
with applicable specifications. APSA-USAMUCOM.
Secret clearance required.

Secret clearance required.

APPI No. AP3 Annumiliton item metal fabrication. Projectile HE 175mm M437 mpts assembly. Approximately 34 Inches long. 10 components, 6.88 inch outside diameter, parabolic shape with tapered base section. Steel ASTMA 273-587 sections 1-14 inclusive for hot forge and hent treat method, Production requires highly technical staff engineers, metallurgists, chemists, and tool designers. Considered very difficult to produce to applicable specifications. APSA-USAMUCOM. Secret clearance required. fications, required.

required.

APPI No. AP4 Ammunition Item metal fabrication and explosive loaded. Blooster M125A1 mpts w/loaded M17 detonalor. Approximately 2" diameter by 2" long. Nine components and 6 subassembles, contains timing components, gear and pinlon assembly. escape wheel, plus, rotors, springs, etc. Firm will require competent staff of engineers and tool engineers and ability to produce precision parts and precision assemblies by mass production techniques. Also requires lonal approval store, handle, load, explosive detonators. Considered extremely difficult Item to produce. APSA-USAMUCOM.

APPI No. 1, 22 Cratific Refer (heavy barrel) to be in accords of will Shanged Armory Purchase Description SAPD 143B USA-APPINGS BEACH CONTROL OF TRAINING BEACH CONTROL OF TRAINING

APP Laundry U.S., The Type, N.532 fidential Lindr Aupment (1)
founts ingle Trailer
Structy Charnes of Con-

### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated April 6, 1965 page 2 No. PSA 3778 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. 8 Cable Assembly CX-4566A/G (250 fit—a 26 pair No. 24AWG telephone cable 250 feet long, terminated at both ends in a connector U-1858 mission facility for interconnecting system, control boards, switchboards and carrier equipment. FSN 5805 503 6012, Confidential clearance required to obtain APP1. USAECOM.

APPI-9 Reel Unit RL-207—Reel Unit for payout and pick-up of infantry field wire. Gasoline Engine driven. Designed for truck mounting. Specifications and detail drawings available. FSN 3895-892-4583. USAECOM.

APPI No. 10 Telephone Field Magneto TA 312/PT a rugged, lightweight, waterproof telephone set for use as a local or common that the set for fixed, mobile and point-to point communications. FSN 5805 503 6012. Confidential clearance required to obtain APPI USAECOM.

APPI No. 11 Antenna Equipment RC-292() Modified Plane type, 20 to 38.9 mc frequency range, fixed, base plate mounted. For general purpose use. Applicable to Radio Sets, except navigation and home types, non airborne weight. Confidential clearance required to obtain APPI. USA ECOM.

APPI No. 12 Receiver-Transmitter, Radar RT 44()APX 68 is a major airborne component of APPI No. 12 Receiver-Transmitter, Radar RT-744()APX-68 is a major alrborne component of Transponder System AN/APX-68 which will be used in DOD low-performance fixed and rotary wing alreraft. Equipment restricted to one cubic foot; welght of complete installation not to exceed 24 pounds; primary power 28 volts OC and 50 watts; transmitter frequency 1090 ± 3.0 mc; receiver frequency 1030 ± 0.5 mc. Equipment will be capable of receiving and transmitting in Modes 1, 2, 3/A, 3/C and/or 4, singularly or in combination. Modular construction and primed circuits boards will be used to maximum extent. Confidential tem, conforming to Specification MIL Q 9858 and acceptable to the Government, covering the supplies under contract. Confidential clearance required to obtain APPI. USA ECOM.

APPI No. FA4 Cartridge Cilp 7.62mm No. 5-round consists of a channel shaped body containing a spring and holds 5 cartridges. The purpose of this cilp is to facilitate the loading of magazines for the 7.62mm rifle, M14. No clearance required. USA Munitions Command FA.

APPI No. FA5 Meial Boxes, M2A1, M19A1 and T46 are reusable steel boxes having linged covers sealed by means of a rubber gasket. These containers are used for packing small arms ammunition and are designed to withstand all conditions commonly encountered in handling, storing and transportation of ammunition. No clearance required. USA Munitions Command FA.

APPI No. FA6. Bandoleers M2 and M4 are olive drab cotton cloth containers used for holding either linked or clipped 7.62mm ammunition. No clearance required. USA Munitions Command-FA.

APPI No. PA4 Switch, Rotary XM21. Switch which provides for a selection of burst options housed in an aluminum box and weighs 3 ibs. FSN 5930-966-8930. No clearance required, PA/USA-

APPI No. APS Ammunition Item Metal Fabrication. Case Cartridge 105mm XM 150Bl one plece design 24,31 inches long by 5.133 inches outside dlameter at base tapered to 4.115 inches at mouth threaded and counter-bored primer hole in base. Fabricated from a spherodized 1030 steel disc. Case is fully heat-treated zinc plated and chromate treated. No clearance required. USA Munitions Command-APSA.

Command-APSA.

APPI No. AP6 Projectile Body and Band Assembly M374 8 imm Mortar 10,403 inches maximum length. Consists of four (4) parts body 9½ inches long by 3,182 inches diameter near center pearlitic maileable fron. Yield strength 50,000 PS1 minimum 7 percent set elongation at 0.1 percent offset. Adapter base 1,26 inches long by 1,8 inches maximum diameter material carbon steel. Cover base 1,02 inches diameter by .0209 inches thick cold-rolled carbon steel strip brazed 360 degrees. Body requires 100 percent ultrasonic inspection and magnaglo test. Band obturating 3½ inches diameter by .1875 inches thick plastic pipe. Body requires phosphate coeding prior to application of paint. No clearance required. USA Munitions Command-APSA.

APPI No. AP7 Projectile WP Smoke M3, 75E2 Body and Band Assembly MPTS 81mm Mortar consists of three (3) components 10,028 Inches long by 3,184 diameter nose and tapered to 2,595 inch outside diameter base end 1,835 inch outside diameter with varying wall thickness pearlitic malicable from Band obturating 3.5 inch outside diameter by 2,895 inch inside diameter by .1875 inches wide material pipe plastic adapter base 1,26 inches long by 1,8 inch maximum diameter one end threaded 1¼ inch material carbon steel alternate pearlitic malicable iron. Adaptor is brazed 360 degrees or welded if steel is used. Body casting requires 100 percent ultrasonic and magnetic particle inspection. Finishing cleaning zinc phosphate base exterior—lusterless enamel or incequer interior acid resistant paint. No clearance required. USA Munitions Command-APSA.

APPI No. 2 Generator Set. 1.5 KW. O. C.

Command-APSA.

APPI No. 2 Generator Set, i.5 KW, O. C., Gasoline Engine Driven, Air-colled, 28 Volt, 2 Wire, fully inclosed by tubulary ame, shock-mounted, in accordance with Mitray Specifications and Drawings. A rillary same of ingine model 12A016-2 will be the same of the Generator, including the richard specent at normal ambient temperatur. The successful contractor shall provide and maintain an effective quality control syscienarios required to obtain APPI, USA-COM.

APPI No. I Shelter, Electronic Test Group #3, as defined by Missile Interim Specification (MIS) 5707—Revision A. For use as protective and operating facility for missile electronic test equipment, repair equipment and technicians, Outside dimensions; L. 163 in., W. E37, in. H. E7 in. Gross Weight: 1850 lbs (max). Laminated foam aluminum construction. This equipment presently under development by RCA, Burilington, Mass. Engineering data and specifications will not be available until approximately June 1966. No FSN assigned at this time. Confidential clearance required to obtain APPI. Secret clearance required to produce the item. USAMICOM.

APPI No. 2 Bistatic Radar References (Luneberg Lns) as defined by Missile their Specification MIL-10044A, to be used to tracking capabilities open Council 1 Sails Targets. For use with the 12 12 12 Unided Missile Target the outside massicus at this sphere must be 10½," and the capabilities of the capabili

APPI No. 3 Radar Beacon, X-Band, as defined by Missile Interim Specification (\*15) 10077, dated 30 March 1965, to be used acking purposes with MQM-34D Guided (\*165 RGET. Design and construction of the accordance with the cation MILE-Control of the mount of the mount of the control of the mount of the mo

APPI No. 1 Trailer, Cargo, 1/2 Ton, 2 Wheel, M105A2. Confidential elegracian required to obtain APPI. USATAC.

APPI No. 2. Tabled Gran. Ton, 2 Wheel, M416. Confidential elegracy required to obtain APPI. USATAC.

APP. No. 1 Trailer, Cargo, 1/2 Ton, 2 Wheel, M4 Confidential clearance required to obtain USATAC.

APPI No. EA6 Agent, Riot Control, CS 1, FSN 1365-690-8655. Irritant chemical agent which causes severe, but not permanent physiological effects, Used in grenades and irritant dispersers for riot control. Secret clearance required. EA-USAMU-

APPI-No. EA7, Mine, Gas, Persistant VX, 2 galion M23, metal parts, FSN 1345-542-1580. A cylindrical pressure type steel container 12½ ineltes in diameter x 5½ inches high. Secret elearanse required. EA-USAMUCOM.

APPI No. EAB Cryptographic equipment Destroyer Incendiary, TH4, M1A2 FSN 1375-334-8884. Equipment destroyer is a sheet metal box 21 inches long, by 15 inches wide, by 1½Inches deep, filed with Thermite incendiary mix, fitted with one manual and two electric incendiary fuzes. Secret clearance required. EA-USAMUCOM.

APPI No. EA9 File Destroyer, Incendiary, ABC, M4, FSN 1375-219-8564. Incendiary set consisting of 44 celluloid oxidizer boxes, 4 igniter boxes fitted with electric squibs; and 4 racks made of metal links. Secret clearance required. EA-USAMUCOM.

APPI No. FA3 Metallic Belt Links, M13, M14A1 and M17A1 are used with caliber .30, 7.62mm and .20mm cartridges in machine guns. The links are made of steel, processed for rust prevention and are required to meet specific test requirements to assure satisfactory ammunition feed and functioning under all service conditions. No clearance required. USA Munitions Command-FA.

APPI No. 3 Generator Set (Military Sjandard), 10 KW, 60 Cycle, AC, shelet plass whre, 120 Volt, single phase wire, 120 Volt, single phase wire, 120 22 24 cm, 3 phase, 3 Wire, 120 120 120 pass, 120 20 pass, 120 20

USAMECOM.
Standard),
St. Ind. 25 Wire, 120
20 1246 Vol. 3 phase,
biss 4 126, 120/208
Illiary Standard 10 HP
Confidential clearance APPI No. 4 Ocnerator Set Mint S
5 KW, 60 Cycle, AC Set I have 25 V
Voit, single phases 1 to 20 24 Voit
3 Wire, 12 VAIL and 3 Phase 25 V
Voit. Full in 15 August Military Standar, by Government of the Military Standar, required to obtain APPI. USAMECOM.

APPI No. 3 Mortar 107mm XM95 high angle fire weapon capable of firing an anti-personnel, anti-materiel screening and illuminating rounds.

The weapons system consists of the XM96 cannon, the XM41 recoil mechanism, the XM130 mount, and XM6 baseplate. Security clearance of Secret is required to obtain APP1. USAWECOM.

is required to obtain APPI. USAWECOM.

APPI No. 1 Generator Tachonicter. Electrical output data, 21V AC, at 4200 RPM, 1 cycle per revolution, 25 ohms internal res, 810 MA max current capacity; 2 rotor poles; accuracy PORM 5 PCT; 150 RPM min, 4200 RPM max operating, speed range; dim data, 3,750 in. Ig exci shaft, 2,375 in. w 3,469 in. h, shaft extends .312 in. from end of inclosure: end mtg, 4 holes, .283 in. dia, on 1,750 in. by 1,750 in. mg centers, terminal data, 1, connector receptacle type, right angle; shaft data, 5q, .312 in. w across flats; MIL-G-9398A, Amend. 2, Type MB-6; Appl, Generator, Tachometer, Engine. Confidential clearance required to obtain APPI. USAAVCOM.

APPI No. 4 Reel, Shoulder Harness, Inertia Lock. Shall be unidirectional type, left hand reel, 18 in. length of cable travel on drum, designed for 3/16 in. dia. cable, with shoulder harness attachment cable, 22/2 in. extended length, with manual lock control assembly. Confidential clearance required to obtain the APPI. USAAVCOM.

APPI No. 5 Shipping and Storage Container, Main Rotor Hub, (Helicopter). Aluminum construction, scaled with gasket, complete with relief valve and humidity indicator. 275 lbs, overall dimensions, 73 in. L. 32 ln. H, 33 in. W. 100% Small Business set aside. Confidential clearance required to obtain the APPI. USAAVCOM.

the APPI. USAAVCOM.

APPI No. 2 Light, Landing, Aircraft, Controllable. 28V DC, Type MA-5. No electrical rating data for Light; Lamp Accomadation data, 1, screw terminal base, retractable type, 120 deg. angle of extended position, lamp lights at fully extended position, retracting motor and switch incl; O/A dim. 1134 in. lg, 6½ in. w, 4-3/16 in. h, nounted by four .178 in. dla holes irregularly spaced. Confidential clearance required to obtain the APPI. USAAVCOM. USAAVCOM.

USAAVCOM.

APPI No. 3 Indicator, Pressure. Dial data, 1 scale, hydraulic pressure, 0 PSI to 4000 PSI, 100 graduated increments, finish of graduations, fluorescent numerals and lined increments, 1-13/16 in. dial, pointer data, clock-hand type, fluorescent liluminated; encased, W/O instrument, lamp socket; electrical data, AC, 26 V, 400 Cycles, single phase; connection data, 1 electrical connection, 4 contacts, AN-3106-14S-2S; O/A dlm. and mtg per MIL-1-2084, Amend 1, MS-28010-5. Confidential clearance required to obtain the APPI. USAAVCOM.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated May 4, 1965 page 2, No. PSA 3798 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. 13 Communication System AN/USC-3 is a mobile S9B radiotelephone system operating in the frequency range of 132 to 165 mc. It consists of 1 communication central and up to 2 to 48 subscriber stations. Teletype, facsimile radio relay and two (2) or four (4) wire phone lines can be used. Confidential clearance required to obtain APPI, USAECOM.

APPI No. 14 Radio Teletypewriter Set AN/ORC-142 is a 34 ton, shelter mounted Radio Set providing SSB, voice, CW and Radio Teletype Communica-tion, Frequency range 2.0 to 29.999 mc in 1 KC steps. Confidential clearance required to obtain APPI. USAECOM.

APPI No. 15 Radio Set AN/PRC-62 is a man-packed SSB set which provides communication be-tween combat units. The set is continuously tunable in one (1) KC steps over the frequency range of 2 through 18 mc providing 16000 channels, operat-ing power 12 V DC. Equipment is capable o-vehicular operation. Confidential clearance required to obtain APPI. USAECOM,

APPI No. 16 Radio Teletypewriter Set AN/GRC 108 is a 34 ton shelter mounted Radio Set providing full duplex capability for SSB volce, CW and Radio Teletype Communication. Primary powe 115/230V, 50-60/400 AC, Frequency Range -2.0 tt 29.999 mc in 1 KC steps. Confidential clearance required to obtain APPI. USAECOM.

2.000 The state of the s

APPI No. 30 Cable Assembly, CX-162/G uses the WC 534 terminated with 2 molded connectors. Siz WC 534 consists of 5 pair No. 19 AWG con-pairs rather latex insulated and chloroprene issed 200 ft. tang excluding terminations. FSN chloroprene infidential clearance required APPI USAECOM.

APPI No. 31 Cable Stub CX-163/G, a 13 foot table stub 5 pair with a separable connector on the end and pairs and individual conductors separated at the other end. FSN 5995-985-8068, Confidential clearance tequired to obtain APPI. US-

Motor Generator Arri No. 32 Notor Generator PU-80B/C an electric mater driven power equipment designed to convert till or 220 volt, 60 cycle AC to 120 wit. 400 cycle AC or 27 volt DC. Used to supply paper for radar and similar electronic equipment in both primanent and mobile installations. FSN 6125-044-45t. Confidential clearance required to obtain APPI. USAECOM.

APPI No. 33 Rectifier RA-91()-a full wave bracen d.ck type rectifier designed to convert AC DC for charging lead-acid storage batteries used a telephone central office. Each unit of a in Dit for charging lead-acid storage batteries used in a telephone central office. Each unit of a crassis astembly enclosed in a steel case arranged for panel mounting. Output Control switches are mounted on the front panel. FSN 6130-222-6204. Confectual clearance required to obtain APPI, USAECOM.

APPI D. August Machine C. GD, 300 and D. Type Os. Typ

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nerator. Tachometer. Electrical C, at 4200 RPM, 70 CYCLES APPI No. 6 Generator, Tachometer. Electrical course data, 21V, AC, at 4200 RPM, 70 CYCLES at 4200 RPM, internal resistance as per spec., .3 AMP mat current capacity, 2 rotor poles, operating speed, earge, 0 RPM min speed, 4200 RPM max 5250 in. L, excl shaft, 2.438 in. W, 2159 in. It incl terminal, shaft extends, 467 in. from end of enclosure, end mig. 4 holes, .281 in dia, on 1.375 in. sq mag centers, terminal, 1, connector recipiente tipe, right angle, sq shaft type, .244 in. W Generator, Techometet, Engine, FSN 6620-585-1503. COM

APPI No. 7 Cushion, Lifesaving, Plastic-coated cover, Kapek buoyant filler, O/A dim. 16 in. L, 14 in. W, Yellow, specific application, Seat Cushion, Princeitaneous accessory, aircraft. FSN 4220-528-242. No clearance required to obtain the APPI. USAAVCOM.

APPI No. 8 Starter, Engine, Electrical, Direct catking type, Government Part No. AN 4116RIA 2800 and the MILS-6150B. FSN 2925-580-10. No clearance required to obtain the APPI. APPE No. 8 SAAVCOM.

APPI No. 9 Link Assembly, Pitch Change Con-frot, Main Roter, (Helicopter). Seel, iron corrosion preparative finish. FSN 1560-830-9731. No clear-ance required to obtain the APPI. USAAVCOM. APPI No. 9 ; trot, Main Rotos

APPI No. 5 Fail Safe Kir. Des 20 9-1410-250-2 Supplemental (a) considered to obtain the APPI USAAVCOM.

AIPPI No. 4 Radar Set, ANAX, 43 (Mobile supplemental) 1 Att. 20 In fixelier set, (3) Flant, Edited with 10 to 10 Power a supplemental to make a signed No clearance assigned No clearance item. USAMICOM.

APPI No. 5 Fail Safe Kir. Des 20 9-1410-250-2 Supplemental (a) considering the provides of supplemental (a) considering

to the main fall-safe like to the main fall-safe like loads cause missile equipment consists of two micro-switches. Federal Stock chien APPL USAMICOM.

APPI No. 6 Instrumentation Assembly (Drawing No. 1196544). This is a missile telemetry device a paraswitching network assembly and Flori network assembly (Drawing device defently device as paraswitching network assembly (Drawing defently device defently and Flori network). 1965 Instrumentation struct receiver and by the constitute required to the missile. No Federal SAMICOM.

7 Beam Set Holsting, Drawing sling used to hoist either First 5 or Second Stage Body Section, Guidance and Hudy Sec APPI 10575861, is a Body Seco-without Body Section or Second Stage Body Section, with or without Guidance and the Body Section, with or without Guidance and the Body Section attached. Sing consists in faw there were the same assemblies, and one spreads the Body of assemblies on each of the transport of the sing of the same thought the sing permit body and the same that the same sections are beginning. Dimensions in this licam Sections are beginning to 4.62° X 48° X 30° (approx). No clearance required to inbrain APPI, USAMICOM, APPI No. 8 First and Second Stage Union with the same sections and the same sections are sections and second Stage Usamic Section and Second Stage Section at the same sections and second Second Second Section Section at the same sections and second Section

clearance required to obtain APPI, USAMICOM, APPI No. 8 First and Second Stage floily Section Heating Blankets. OPN 10645196 and 10645197. Blankets are electrically heaten and 10645197. Blankets are electrically heaten and 10645197. Blankets are electrically heaten and 10645197. Blankets are energized by 120/208 voilts, 1-Pearly 100 or 400-cys power and consumes supersymptotic 1,500 wants. Power is normally higher than 1,500 wants. Power is normally higher than 1,500 wants. The blanket according to the contact of the published of the contact surface and section and to regulate the blanket according. No clearance required to obtain a Apple. sense he temperature of the outly to regulate the blanker No clearance required to obtain APPL

USAMICOM.

APPI No. 9 Weatherproof Power Distribution Box, approximately 11" x 14" x 18" one man portable (48 lbs) made of aluminant Accounted tesseventeen (17) connectored libertures to distribute 208/110 y, a.c. the second libertures to distribute to the second libertures of the second libertures and in a contract to the second libertures of the second libertures and contract to the second libertures and contract to the second libertures are second libertures and contract to the second libertures and contract to the second libertures and contract to the second libertures are second libertures and contract to the second libertures and contract to the second libertures are second libertures and libertures are second libertures. d.c. suppl APPI, U

APPI. V. 10 Headset-Microphone Assembly, consisting of a microphone and to arphones held by a head band and transist millions (127291A) is dynamic, noise-cance (11.E-55119) are dynamic, by a millions (11.E-55119) are the M-1 steel combat helmet, cancer the M-1 steel combat intelligibility under high

countdow.

helmet, control intelligibility under high ambient not intelligibility under high ambient not obtain .r.f. USAMICOM.

APPI No. 11 Shelter, Electronic Equipment as defined by Drawing 10640700 and Missile Purchase Description (MPD) 1/232 two dated 18 Nov 64, to be used to house Gronnd-Control fromic Equipment in the PERSHING Missil Salem. Shelter is modular construction in high sale salem. Shelter is modular construction in high salem in the real panels consisting to exertify that interior alminum skin the property of the salem in the salem in

APPI No. 12 Blast Deflector, P/N 11025685-9; is a reusable device mounted on and below the launch pad ring of the Errector Launch Guided Missile motor by Launcher Guided Missile transportable, The function on the Errector Launcher Guided Missile Transportable, with the postable, and the second of the second auxiliary from the Errector launcher Guided Missile Transportable, with the second of the second of the Errector launcher Guided Missile Transportable, with the second of the second of the Errector launcher grant launcher grant launcher grant launcher grant launch launch auxiliary and launcher grant launcher grant launcher grant launcher grant launcher grant launcher grant launch lau milimize missile motor by Launcher Guided Missile requipment by different by the portable.

metal, cas cancel for a protection of the metal parts, The blast eliminate e. and of the metal parts, The blast 293.6 pounds. No clearance required for APPI.

APPI No. 13 Azimuth Laying Container Set and 11025821, each consisting of two aluminum containers N's 11025820 and a lower half. The stretchest sense unation of is made by the containers of the two containers of the two containers of the stretchest of the two containers of the stretchest of the two containers of the stretchest of the APPI No.

consisting of a carrier steady rest two chassis jack with two erector-launcher rear axel lock assembly tite guides and bumpers. The active steady lest steady lest size that supports the following the steady lest size that supports the following the follo two quires retainers approx. I approx. I front of the lack ball rel approx. The factor and for factor and factor an

size; to it are attached two erector-launcher rear axle lock assemblies that secure the rear of the erctor-launcher to the carrier. No clearance is required for APPI. USAMICOM.

APPI No. EA-10 Dispenser, Riot Control Agent, portable, M3. FSN 1040-711-8296. The M3 portable irritant gas disperser is designed to disseminate micropulverized irritant agents for control of disorderly crowds or riotous disturbances. Secret clearance required to receive APPI, EA-USAMUCOM.

APPI No. EA-11 Dispenser, Riot Control Agent Helicopter-or vehicle-mounted, M5. FSN 1040-805-3019. The M5 Helicopter-or vehicle-mounted riot control agent disperser is used to disperse powdered riot control agent linto the amosphere from either a low flying cargo helicopter or a moving ground vehicle for control of disorderly crowds or riotous disturbances. Secret clearance required to receive APPI. EA-USAMUCOM.

APPI. EA-USAMUCOM.

APPI No. AP-8 Metal Fabrication Warhead Section, GM, Training Missile, XM209 approx. 6" in dia, 20.46" long, Major components: Oglve, inert, approx. 6" dia, 4-¼" high, .050" wali, aluminum alloy sheet 6061-0, heat-treat after forming; shroud, inert, approx 6" dia., external key 16-1/4" long, varying wall thickness, embossed, material aluminum alloy 2014, T6 extruded; ballast, solid cylinder and cone shape, approx 5.7" dia, 6-5/8" long, material, aluminum alloy, assembly with clinch nuts, machine screws and tapping screws. Total assembly weight must be within spec limits. Competent staff technical engineers and metallurgists required, Difficult to produce to applicable specs. No clearance required to receive APPI. APSA-USAMUCOM. specs. No clearance APSA-USAMUCOM.

APSA-USAMUCOM.

APP1 No. AP-9 Loaded item - Cord Detonating Reinforced Plastic Wrap, type 1, PETN core procured loaded, 0.175" max. dia. to 0.235" max. dia. depending on class, textile cover, plastic coating finish, max. weight per 1000 ft. length, min, break strength, detonating velocity, propagation, etc. per spec MIL-C-17124B. Fifty ft. lengths on fiber or chipboard cores longer lengths on commercial spools. Technical staff familiar with handling explosive material required. No clearance required to receive APP1, APSA-USAMUCOM.

APP1 No. AP-10 Metal Entrication - Case. Car-

APPI. APSA-USAMUCOM.

APPI No. AP-10 Mctal Fabrication Case, Cartridge, 40MM, M118, MPTS, 1,817" long X 1,624" O.D.; varying wall thickness .062" to .030", Case, "cup shape" with internal protrusion .845" dia, X .557" high in base section with six (6) .060" holes around protrusion; rim 1.719" dia, X .080" wide machines on base. Material, aluminum alloy, bar, 2024, T6; cup powder charge .406" dia, X .365" high X .0055" wall thickness with liared mouth, material, brass strip, annealed. Finished case must withstand hydrostatic test of 48,000 PSI min, 240 hr. salt spray test, hardness and puli test. Requires competent engineering staff, metallurgists and chemists. Very difficult to manufacture to applicable specs. No clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-II Loaded item-Simulator Artil-

Ists. Very difficult to manufacture to applicable spees. No clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-11 Loaded item - Simulator Artiliery Gunflash, M110 (STD A) with squib, electric, M72 Procured loaded wt. 69 lbs per box of 24. Container, outer, hollow black plastic cylinder, 7,81" long X 1.88" O.D. 1/2" threaded hole in top, bottom end attached to shoulder on inner container. Filling plug red plastic siotted and threaded. Container, inner, hollow black plastic cylinder, 6-7/8" X 1-1/4" O.D. with external flange at Jase forming seat for outer container and internal thread. Pyrotechnic charge in inner container consists 80 grams composition containing magnetium powder and oxidize. Adapter holder is black palstic with well for electric aquib. Requires technical staff and facilities for loading and handing of pyrotechnics. Somewhat difficult to manufacture to applicable spees. No elearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-12 Loaded item - Cap, Blasting, Electric, M6, procured loaded, consiats of five (5) components and/or assembliea, plug assy 1.015" X 0.219 O.D. modded around lead wire 145" long. Material, plug, rubber; wire, type 8, AW622, soft, tin coated; alternate, rubber and sulfur plug assembly, with cast sulfur plug. Bridge wire connecting one end of lead wires, resistance 180 OHMS per ft., cup 2.29" X 242" O.D. X 222" I.D., base 020" thick, A1 alloy, sheet, temper 0, spool 4.95" X 416" X 0.04" wall, siotted one end, box board, convolute, with flour paste between layers; alternate kraft pult paper unsized 003" thick. Charge cup load with RDX base charge, lead azide intermediate charge and Ignition charge. Requires technical staff familiar with pyrotehnics and explosive loading and necessary loading facilities. Difficult to produce to applicable specs, No clearance required to receiv APPI. APSA-USAMU-COM.

APPI No. FA-7 Cartridge caliber .32 ball the cartridge case is brass and the bullet is made of lead antimony and is inside jubricated; i.e., The builet cannelure containing the jubricating compound is hidden by the neck of the case in the assembled cartridge. Secret clearance required to receive APPI, FA-USAMUCOM.

APPI No. FA-8 Cartridge ealiber .38 bail the cartridge case is brass and the builet consists of a gilding metal jacket and a lead antimony slug. The cartridge case is crimped into a groove in the bullet. Secret clearance required to receive APPI. FA-USA MUCOM.

FA-USAMUCOM.

APPI No. 4 Armament subsystem, helicopter, 7.62 mm. machine gun, high-rate machine gun, 2.75 in. rocket launcher, XM 21. The XM 21 subsystem consists of a 7.62 mm. dual high-rate XM 134 machine gun system and dual 2.75 in. rocket launcher pods. The gun subsystem consists of two XM 134 machine guns mounted on a pair of remotely operated gun mounts (turrets.) Ammunition cansistored in the cargo compartment, gun sight and ammunition chuting. The 2.75 in. FFAR launcher provision consists of two launcher pylons; one mounted under each of the machine guns; control panel with selector switch for firing either machine gun or 2.75 in. FFAR. The 2.75 in. rocket launcher system is fixed with respect to the alreraft. Secret clearance required to obtain APPI. USAWECOM.

APPI No. 4 Semi-Trailer, easoline, 5,000 gls., 4 wheel, M131A4, Confidence against a required to obtain APPI. USATAC

APPI No. 5 Semi-Trailer, easoline, 5,000 gls., to obtain APPI. USATAC

APPI No. 5 Semi-Trailer, easoline, 5 ton, 4 wheel a semi-definition of the semi-defini

### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated June 1, 1965 page 2, No. PSA 3817 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

column 1 first three paragraphs,

APPI No. 15 Division Hawk Sci. Propelled Platon Fabrication of Oromandor Maintenance Equipment-Ground III and platerial less quipment. No Federal Stock to afford sub-contragility of the propelled Platon Retrofit for continuous Wave Acquisition Radar. This includes mounting of an include mounting of an include mounting of an include relation Friend or Foe Antenna assess I have been called the CWAR III 19 and the III and and I

Number and the prized to ing opposite the only, SECRE to obtain APPI, USAMICOM,

to obtain APPI. USAMICUM.

APPI No. 19 Division HAWK Self Propelled Platon Retrofts for Launcher. This Retroft Kit will include repackaging of the standard HAWK Launcher Electronics for mounting on a tracked vehicle of the Mil3 family with various hydraulic and structural modification. No Federal Stock Number assigned. Synopsized to allord sub-contracting opportunities only. SECRET clearance required to obtain APPI. USAMICOM.

APPI No. 28 Division Hawk Self Propelled Plantage of the Contracting Plantage of the Standard Pla

APPI No. 20 Division Hawk Self Propelled Platon Retrofit Assault Elia Company Console. This Retrofite Litavit and Date Decrease Eliabits, displays, and could be a console that the APPI No. 11 Console the Console that the Consol

target. This have is towered by Malary Spec, Mil-T-23433 Officer Products Hist/23539. No Federal Stock farming assigned Nb clearance required in re-ceive All DSAMICUM.

Stock tamped assigned Products List(2383). No Federal Stock tamped assigned by Charlet Acquired in receive Acts 15 (2384). Competer assigned by Charlet Acquired in receive Acts 15 (2384). Competer assigned by Charlet Acquired in receive Acts 15 (2384). Competer assigned by Charlet Acquired in receive Acts 15 (2384). Competer assigned by Charlet Acquired in receive and minor graduations fluorescent treated, asse, rd shape. O/A dim. 2 in. dia. 4-1/4 in. deep. 1 electrical connection, 3 pin contacts, AND10066-1081-3P, operating mechanism per SPEC, MIL-1-25623, TYPE MU-1, flush nuts. MIL-1-25623, TYPE MU-1, in last nuts. APPI No. 11 Indicator, Pressure. Dial, 1 multi-purpose pressure scale, 0 to 50 PSI, 1 lb graduated increments, letters, numerals, & lined increments, fluorescent, pointer, ciock-hand type, fluorescent illuminated, encased, W/O instrument lamp socket, electrical, 26V AC, 400 CY, single phase, 1 electrical connection, 4 pin contacts, AND10066-14S-2P, O/A dim., 3 in. L, 2 ln. dia., panel mid, 1,93 in. dia of body, appl., indicator, pressure, engine instrument. Govt Sid Data MS28010-1. FSN 6620-514-5334, No clearance required to obtain APPI No. 12 indicator, pressure, engine instrument. Govt Sid Data MS28010-1. FSN 6620-514-5334, No clearance required to obtain APPI. USAAVCOM.

APPI No. 12 indicator, Temperature, Electrical Resisance. Dial, 1 scale, temp, minus 70 deg. C to plus 150 deg. C, 50 deg. graduated increments, finish of graduations, fluorescent letters, numerals: and lined increments, clock hand pointer, fluorescent liftiminated, encased W/O instrument lamp socket, 24 th. AND100660-14SS-2P, D/A dim., 3.39 in. L. 200 in. dia., clamp mtg., MiL-MS28009, MSS6685-11. FSN 6685-557-0370. No clearance required to obtain APPI. USAAVCOM.

APPI No. 13 indicator, Indicated Alr Speed Dial, 1 scale, air speed, 0 to 250 knots range, 20 knots graduated increments, finish of graduated increments, and lined increments, and plantator, and plantator, and plantator, and plantator, and plantator.

APPI. USAAVCOM.

APPI No. 13 indicator, Indicated Air Speed.
Dial, 1 scale, air speed, 0 to 250 knots range, 20 knots graduated increments, finish of graduatious, theorescent numerals and lined increments, pointer data, i fluorescent finish, W/O instrument lamp, O/A dim., 2-1/8 in. deep, PORM 1/8 in., 2-3/4 in. dia, panel mtd. Govt Spec. data, MIL-1-5721A, Gov't Std. Data, MS28021-1. FSN 6610-726-0247. No clearance required to obtain APP1. USAAVCOM.

APPI No. 14 indicator. Pressure. Oil pressure

clearance required to obtain APPI. USAAVCOM.

APPI No. 14 Indicator, Pressure. Oil pressure scale, 0 to 100 PSI, 5 PSI graduated increments, finish of graduations, fluorescent numerals, letters and lined increments, 1 clock hand type fluorescent illuminated pointer, encased, W/O instrument lamp socket, 26V AC, 400 CPS, single phase, 1 electrical connection, 3 pin contacts, AND10066C-10SL3P, O/A dim., 2-5/8 In. L, 2 in. dia, clamp mig., MIL-125438, Type MO-2, Appl engine instrument, acft. FSN 6620-557-0582. No clearance required to obtain APPI. USAAVCOM.

APPI No. 15 Generator, Direct Current. Shunt

FSN 6620-557-0582. No clearance required to obtain APPI. USAAVCOM.

APPI No. 15 Generator, Direct Current. Shunt wound type, self-excited, power output data, 9 KW rating, 30V, 300 AMP, current rating, 4500, 6500 RPM rated apeed, CCW rotation when viewed from drive end, enclosure data, closed frame, temp. data, 60 deg. C ambient, not rated for temp. rise, dim. data, 11.186 in. L, excl shaft, 5.90 in. W, 8.000 in. H, shaft extends 6 in. from end of inciosure, shaft data, splined shaft data, 0.867 in. dia., planged mtd., mtg. data, 6 holea, 0.406 in. dia., equally spaced on 5.000 in. circle, 20,000 ft. max. operating altitude, MIL-G-6162, USAF DWG 58C6226, Gov't Type data, USAF, Generator, DC, Type GEU-5/A, FSN 6115-725-1790. No clearance required to obtain APPI. USAAVCOM.

APPI No. 16 Tail Pipe Assembly Engine Exhaust, FSN 2990-767-9212, Procurement Package 204-060-302. Code Identification 81996, FSN 2990-767-9212. No clearance required to obtain APPI. USAAVCOM.

APPI No. 8 Crate Simple State of the control of th

APPI No. 10 scription: 7.5 1 6115-511-22 (New Limited Score Plants June 1965) Control I tain the AFT LLAMEC

APPI No. II Search 100 AMP; XENON inch reflector; MFO. 6230-740-3280 Princh 6230-740-3250 The Figure 1964 with Engage Internal April 1964 and 140 The Engage (1964) April 1965 April 1965 The Internal Property of the Internal to government specs, in quantities normally required, No clearance required to receive APPI, AP-USA-MI COM

No. AP-14 Ammunition Item-loaded item, cattet, receng line, powder actuated, 2 sec. delay, Mill, crimins of firing pin assy, consisting of lanyard day, ore lanyard, release pin firing O-ring pin firing returner spring. Eye lanyard of corrosion resisting seed but with various size holes, release pin firing of alaminom alloy rod 2017, T4, with various machined of and drifted holes. Pin, firing 0.15 max, radius with cat permitted. Retainer of aluminum alloy 1.13. T4 machined various sizes and drilled holes with cate surface threaded; spring of steel music wire with total 8 coils, heat treat and stress relief at 525 dryrees F for 30 minutes; case of aluminum alloy 1.64. T4; knife delay assy of seel round bar, grade 1.137 machined groove and drilled; disc of chipboard, the proposition. Compliance with all local, state at 2 federal safety laws and rules. Must have faellings for stering, processing and loading of delay compositors. Difficult to produce. No clearance required to receive APP1. AP-USAMUCOM.

APP1 No. AP-15 Ammunition Item-Metal fabri-

APPI No. AP-15 Ammunition Item - Metal fabrication projectile TP-T 900MM M353 MPTS (4.2" Tran Itang X 3.33" OD. Body is one piece design 19:15" X 3.53" OD, threaded nose rotating band and morning grooves material, sted, HR carbon bars, crainiding bessemet stock; rotating band 3.55" OD X 1355" wide X 21" thick material, gilding metal, cliss B annealed; windshield cone shape varying wall tradness alaminum alloy die casting comp A380 body and windshield assembled with thread scaling compact, of cleaned and painted; plus of alluminum alloy and the size. Subjected to rigid inspection. Manufacture finish; disc., pilobond 20 scaled into plng min 4thesive. Subjected to rigid inspection. Manufacture finish; diding this item will require highly competent staff of engineers, metallurgists, chemists and tood and die engineers. Very difficult to manufacture to Government specs. in large quantity. No retracte required to receive APPI. AP-USA-APPI No. AP-16 Ammunition item a loaded item.

APPI No. AP-16 Ammunition item - loaded item.

Appi No. AP-17 Ammunition item - loaded item.

Appi No. AP-17 Ammunition item - loaded item.

Appi No. AP-18 Ammunition item - loaded item.

receive APPI. AP-USAMUCOM.

APPI No. AP-17 Ammunition item-loaded itemsatisfied automatic explosion M142 consists of 55
satisfied drum with fiber drum inserts and following
satisfied from 125 grams black powder class 3 electric
from 125 grams black powder class 3 e

APPI No. EA-12 Grenade, hand, incendiary, TH3, APPI No. EA-12 Grenade, hand, incendiary, TH3, APPI No. EA-12 Grenade, hand, incendiary, TH3, AN M14 FSN 1330-219-8557. The V14 incendiary reset. It can also be used for casualty effect by reset for a hursting munition. Secret clear-secret required to receive APPI. EA-USAMUCOM. M18, green smoke FSN 1330-289-6851; red smoke FSN 1330-289-6851; red smoke FSN 1330-289-6851; red smoke FSN 1330-289-6851; red smoke FSN 1330-289-6853; smoke FSN 1330-289-6851; red sm

i in and house The control of

The second secon

APPI No. 5 Armament sub-system, helicopter, 40 armament sub-system, helicopter, armament sub-system, helicopter, armament sub-system, helicopter, with ammo boxes, sub-system, helicopter, with ammo boxes, sub-system, helicopter, with ammo boxes, and a vight remotely directing the firing of the language launcher. SECRET clearance required to obtain

APPI. USAWECOM.

APPI No. 7 Wheel, solld rnbber tire, FSN 2530.
679-7973. No clearance required to obtain APPI, USATAC.

APPI No. 8 Tire, pneumatic, 750 by 20, 8 PR TBNB, M and S Nylon, Truck and Bus, 8 ply rating, FSN 2610-540-4718. No clearance required to obtain APPI, USATAC.

APPI No. 9 Track, slice, vehicular, without pin, nut and pad. FSN 2530-690-2682, No elegrance required to obtain APPI. USATAC.

APPI No. 10 Pad, track shoe, vehicular, T 130, G 294, G 312. FSN 2530-690-2681. No clearance required to obtain APPI, USATAC,

APPI No. 11 Transmission, mechanical, assembly, 2 1/2 ton, FSN 2520-884-4833. No clearatice required to obtain APPI, USATAC.

APPI No. 12 Battery, storage, 12 volt, 6 cell, 4 amp, dry charged, type 6 TN; FSN 6140-057-2554 No clearance required to obtain AlPI. USATAC.

#### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated July 6, 1965 page 2, No. PSA 3841 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of

will be found on page 2, top of column 1 first three paragraphs.

APPI No. MELIA The Straw Discription: Rated w/30 look that the control of the column 1 of Ton. Rated w/30 look that the column 1 of Ton. Cubic Yardi Gancin 1.5. FSN 3810-188-7060. No clearance required to obtaind APPI. USAMEC.

APPI No. ME-14. Tractor. Dasc plant Tractor, Drawbar Pull; Eons Column 1 styrm Medium Drawbar Pull; Eons Look Living International Column 1 styrm 1 of Trame Semi-U Hydrold 1 styrm 1 st Commission and Frame Muldozer, 1921 Replied B. Scarlifler; Hysterhiper Kingplu; Mil Spectos 1988-6686. No clearance required to obtain

APPI No. ME-15. Scrnper. APPI No. 1 Earth, Moving pacity Scoop; Open Bowl; S-52271(MO), quired to obt

ct Hame, 11.5 KW, Indeed Phrase, 2 FMO, Mil Spec G-Spr 1965, FSN 6115-d to obtain APPI, Mounted, N 52282A(MO 889-1446, N

APPI No gine, 3 K Engine, 3 Phase, 2 clearance required

APPI No. tion: Truck, Water Exilination ump, 00 Gal Tank; 2-tion as 225-9126, SAMEC. FSN to oblain APPI,

Asen by Descrip-Friend, Transis-le II Mny 1964, required to obtain ion: Meli lorized. M FSN FSN 1090. APPL US

APPI No. AV-17. Transmitter, Pressnre. Electrical Data, 26V AC, 400 Cps, Single Planse, Connection Data, Electrical, 1, 3 Pin Contacts, AND10066D-10SL-3P, other than Electrical Connections, 1, 7/16 in. dia. Internal Tube Connection, 1, 1/16 in. dir. do to 50 PSI Measurement Range, o/n dim. 4-23/32 in. L, 2-1/4 in. dia., Mtg. Datn., 1 Attaching Point, In. L, 2-1/4 in. dia., Mtg. Datn., 1 Attaching Point, Engine, Instrument, Aircraft, FSN 6620-553-8854. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-18. Indicator. Temperature. Thermo-

APPI No. AV-18. Indicator, Temperalitie, Thermo-couple, Dial, 1 Scale, Temp. 0 Deg C to 1000 Deg

C Range, 20 Deg Graduated Increments, Fluorescent Major and Minor Graduations, 1 Pointer, Fluorescent Lamp, 8 Ohm External Resistor required, Chromei-Alumei Thermocouple required, Overall Dim. 3 in. L, appx. 2 in. dia. Panel Mtg Type, 1.938 in. dia. of Body, Electrical Connections, 2, Screw Terminal Contacts, 2. Source and Identifying No. in accord with MIL-1-94430, MIL-1-9443B, Type MJ2. Appl., Indicator, Exhaust Temp, Engine, FSN 6685-557-5910, No clearance required to obtain APPI, USAAVCOM. Appl., Indicate 557-5910. No USAAVCOM.

USAAVCOM.

APPI No. AV-19. Indicator, Pressure. Dial 1.
Torque Pressure Scale, 0 PSI to 50 PSI, 1 PSI
Graduated Increments, Finish of Graduations, Fluorescent Letters, Numerals, and Lined Increments.
Pointer Data, Clock-Hand Type, Fluorescent Illuminated, Incased, w/o Instrument Lamp Socket,
Electrical Data, 26V AC, 400 Cps. Single Phase,
Connection Data, Electrical, i. 3 Pin Contacts,
AND10066C-10SL-3P. o/a dlm. 2-5/8 in. L, 2 in.
dla., Clamp Mtg., MIL-I-25578, Type MO-3, Appl.,
Engine Instrument, Aircraft, FSN 6620-581-2268, No
chearance rejuired to obtain APPI. USAAVCOM.

APPI No. AV-20. Transmitter, Pressure. Electrical Data. 26V AC. 400 Cps, Single Phase, Connection Data. Electrical, 1, 3 Pin Contacts, AND10066D-103L-3P, other than Electrical Connections, 2, 438 in. dia. Internal Pipe, 1, 1,063 in. dia. External Pipe, Diaphram Actuated, 0 PSI to 100 PSI Measurement Range, o/a dim., 4,666 in. L. 2,250 in. dia. Stud Attaching Point Migs. Govt Spec Data, Milt-726638, Type TRU-20A. FSN 6620-774-9426, No clearance rejulred to obtain APPI. USAAVCOM.

clearance rejuired to obtain API. USAAVCOM.

APPI No. AV-21 Indicator Attitude, Remote, Integral Stabilization. 1 Nonluminous Pointer, to show pitch of Aircraft, with Instrument Lamp, Electrical Data. 115 V AC, 400 CPS, single phase, O/A dim. 9,266 in. deep, 5,005. in. wide, 5,255 in. high, panel mounted, FSN 6610-781-8331. Govt Spec. Data: Iroquois Procurement Package No. IND-A5-UH-1. Prospective suppliers will be furnished procurement specification for purpose of fabricating a remote attitude indicator and performing required tests for product approval at no cost to the Government. No clearance required to obtain APPI. USAAVCOM.

APPI No. MI-22. REDEYE Tri-Pack Containers.

obtain APPI. USAAVCOM.

APPI No. MI-22. REDEYE Tri-Pack Containers, physical dimensions approximate to long, 19-3/4" high, 21-1/4" wide wight to be empty. The Container, which are not gate and complete REDEYE weapons and the faunce the effice, is of vacuum-for required to the container of the property of the Weapon during air modes by 10 gas and shipment, including air grown of the property of t

APPI No. MI-23. AQM-38A(RP-6) arget System Missile. The AQM-38-ti is Received Powered, Radio-Controlled care fails Suriced from underneath the AQM-38-ti is Received from the requipped with the result of the resul Pockett Powered,
Runcied from
May be
100-lb Thrust
Number assigned. USAMICOM.

APPI No, MI-24. Guidance and Control Set for KMGM-51A (Shillelagh) consisting of: Tracker, Optical, SU-27 (XO-1)M; Converter, Signal Data: Sensor, Rate; Modulator; Transmitter, Optical; Power Supply, PP-4255(XO-1)M; Panel, Test Checkout; Set of connecting cables, consisting of six (6) special cable assemblies, No Federal Stock Number assigned, Synopsized to afford sub-contracting, opportunities only, Confidential clearance required to obtain this APPI. USAMICOM.

APPI, USAMICUM.

APPI No. MI-15. Missile Test Set or XMOM51A (Shillelagh) consisting of the family Control
Unit; and Accessor the family industry in order of
test cable special to the arms of the family No Federal
Stock Numbers special to the family of clearance required
to obtain a APPI. USAMICOM.

contracting of the process of the control of the process of the pr

APPI No. AT-13, Sleeve Assembly with Pistons nd Rings, G742, G835, FSN 2805-040-2215. No learance required to obtain APPI. USATAC.

APPI No. AT-14. Shoe Assembly, Track, T97E2 series, FSN 2530-337-6969. No clearance required to obtain APPI, USATAC.

APPI No. AT-15, Battery, Storage, 12 Volt, 6 ell, 45 amp, Dry Charge, Type 2HN, FSN 6140-17-2553. No clearance required to obtain APPI.

APPI No. WE-6. Binocular, T 14 El, General purpose Binocular having a Large Objective Lens and Mirror. The Left Telescope contains a Mil Scale Reticle. The T 14 El has 7 power and a 50 degree field of view. It is Lighter and Smaller than the Standard 70 X 50 binocular, No clearance regulied to obtain APPI. USAWECOM.

to obtain APPI. USAWECOM.

APPI No. AP · Is. Ammunition Item · XM151
Warhead Metal Parts Assembly, approximately 13.03
Inches long by 2.79 inches maximum outside diameter. Consists of three components, nose, 10.40
inches long by 2.79 inches outside diameter at the bourrelet tapers down to I.68 inches through a 35inch radius on the ogive beginning 4 inches from the base, material pearlitic malleable iron, grade 60003; base, 3.005 inches long by 2.40 inches outside diameter, cup shaped, material, steel plate or steel bar, hot rolled or pearlitic malleable iron, grade 45010, 50007 or 60003; eap, protector, 932 Inches long by 1.844 inches maximum diameter at flange, cup shaped, material, polyethylene. Considered difficult to mamilacture. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-19, Ammunition Item - Fuze, rocket

APPI. AP-USAMUCOM.

APPI No. AP-19, Amnunition Item-Fuze, rocket XM423 metal parts with Detonator MK59, model O with primer XM94E1 with booster MPTS, 4,035 inches maximum length by 1.75 inch diameter, Consists of five (5) major components: striker, pin body assembly, material, aluminum, alioy, 2024, temper 1731, Rod, fiting pin body assembly, material, aluminum alioy; device, safety and arming, consists of 33 metal parts such as gears, pinions, springs and rotors; screw sealing disc, material, aluminum, alloy 2024; housing booster, about 1.115 inches long by varying outside dimensions, material, earbon steel bar, hot-rolled, Manufacturing firms bidding this item will require highly competent staff of engineers. Item considered difficult to produce. No clearance required to receive APPI. AP-USAMUCOM.

APPI No AP-20, Ammunition Item-Fuze, rocket,

APPI No AP-29. Ammunition Item-Fuze, rocket, XM427 metal parts with detonator MK59. Basic description same as AP-19. No clearance required to receive APPI. AP-USAMUCOM.

XM427 metal parts with detonator MK59. Basic description same as AP-19. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-21. Ammunition Item-Warhead, 2.75 inch rocket, smoke, WP E13, metal parts, assembly about 13.03 inches long by 2.79 inches maximum dianuter. Consists of three components: body, 9.69 inches long by 2.79 inches maximum dianuter. Consists of three components: body, 9.69 inches long by 2.79 inches maximum outside diameter nosing down to 2.065 inches through a 35-inch radius, material, seamless steet tubing, condition CDSR, 1020; base, 3.00 inches long by 2.4 inches maximum outside diameter, 219 inches inside diameter, cup shaped, material, hot-roiled steel bar, C1018; adapter, 1.62 inches long by 2.06 inches maximum outside diameter. 79 inch bore with 1.455 counter-bore, material, cold-finished carbon steel bar, Considered difficult to produce. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-22. Ammunition Item, Compiete Head Assembly for M325/T336E7, and M527B1 Fuze, Point Detonating, a Timing Device, approx 1.3 inches long by 1.38 inches outside diameter. Consisting of a Movement Assembly Containing a Housing Assembly Composed of Housing and Setback Detent, Material, Brass Rod Spec QQ-B-626, a Top-ling, Material, Brass Rod Spec QQ-B-626, a Top-ling, Material Brass Rod, Spec QQ-B-626, a Top-ling, Material Brass Rod, Spec QQ-B-626, a Top-ling, Material Brass Rod, Spec QQ-B-613, Drive Gear and Stop Pin Assembly, Composed of Upper Bush-ing, Material Brass Rod, Spec QQ-B-613, Drive Gear and Stop Pin Assembly, and Sriker Assembly. Head Assembly also contains Release and Piunger Springs, Material Brass Rod, Spec QQ-B-613, Drive Gear and Stop Pin Assembly, and Sriker Assembly. Head Assembly also contains Release and Piunger Springs, Material Brass Rod, Spec QQ-B-613, Drive Gear and Stop Pin Assembly, and Sriker Assembly. Head Assembly also contains Release and Piunger Springs, Material Brass Rod, Spec QQ-B-613, Drive Gear and Stop Pin Assembly, Composed of Upper Bush-in

## NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated August 3, 1965 page 2, No. PSA 3861 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. WE-7. Mortar, 81 MM L16A1 with mount L5A3 (DEV.) the L16A1 is a high angle fire weapon which will provide close support neutralizing and detensive fire for the Infantry. The weapon consists of a bairel L16A1, Blpod L5A3, and aluminum Base Pinte M3. No clearance required to obtain APPI. USAWECOM.

L5A3, and aluminum Base Pinte M3. No clearance required to obtain APPI. USAWECOM.

APPI No. MI-27. Intra Red Kits. These kits are used to provide a heat source for Target Guided Missiles, for use with missiles having an infra red capability. Design criteria is as follows: Target speed—0; Intensity Level-variable between 20-150 watts per steradian; Alt-5000' MSL; 2.0-2.7 Micron; Illumination ± 10° Cone; Tgt speed—200 knots; Intensity Level-variable between 5 and 100 watts/ ster; Ait 14000' MSL; 2.0-2.7 Micron; Illumination ± 10° Cone; Tgt speed—200 knots; Intensity Level-variable between 5 and 100 watts/ ster; Ait 14000' MSL; 2.0-2.7 Micron; Illumination the step of the

APPI No. MI-28. Fiight Monitor, 16 channel (OPN and FSN not available) and Instrumentation Assembly less DOVAP (OPN 1100 FSN 1420 mposed on a 16 sub-carrier oscillator version section, a response relay simple power relay s mposed of ower con-pass filter, metry trans-CANCELLED FEBRUARY 4, 1988 version section, a power relay gir. The power power is a multi-purpose switching a sw. a con. The power receiver. No clearance required to obt. The power receiver. No clearance required a Smal, unsiness Set Aside. USAMICOM.

a Smal, ansiness Set Aside. USAMICOM.

APPI No. MI-29. Forward Area Acquisition Radar-Chapparal Missile system. Will be a light weight, highly mobile, very low attitude aircraft detection radar, and will be deployed in the forward division area to provide early warning target information to antialrcraft weapons systems. No Federal Stock Number assigned. Confidential clearance required to obtain APPI. USAMICOM.

APPI No. MI-30. Fire List Mount-Chapparal Missils System. Unit will constitute a suitable launcher mounts of a middle of the control of the contro

APPI No. AV-22. Tank Fuel, Bladder Type, Alrcraft. This is a Qualified Products List Item. Three procurements planned, FSN 1560-963-1090, and FSN 1560-963-1091, No FSN 1560-963-1090, and FSN 1560-963-1091. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-23. Tank, Fuel, Self-Sealing, Aircraft, Left Hand. This is a Qualified Products List Item. FSN 1560-789-4999. No clearance required to obtain APPI. USAAVCOM.

APPI No. APPI USAAVCOM.

APPI No. APPI No. APPI No. Clearance required to obtain APPI. USAAVCOM.

APPI No. APPI

APPI No. ME-21. Semitrailer, Refeler CANCELLED NOV. 1, 1966

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APPI No. M 22 The rest of the Type, A/A Stages, 2 to the transfer of the trans

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APP1 No. AP-26. Ammunition Item-Cartridge, ignition, M2A1E1 (loaded) approx. 80 Inch diameter x 2.43 Inch long. Procured black powder loaded with primer. Body assembly, design similar to shotgun shell. Material, paper wad, hard-pressed, convolute wound, commercial. Base cup, commercial steel 015 inches thick, finish cadmium coated class I. Body, polyethylene plastic, clear or green (Hercial brass. Wad, commercial woodpaper. Primer, tlandard Commercial construction for shot shell Ammo, complete assembly loaded with 133 grains, plus or minus 5, black powder, class 3, Spec Mil-P-213. Producers will require explosives loading & raikaging facilities with comparable technical staff. Considered somewhat difficult to produce. No clearance required to receive APPI. APSA-USA-MUCOM. ance required MUCOM.

MUCOM.

APPI No. AP-27. Ammunition Item-Fin Assembly, M147. Approx 3.19 inch diameter x 7.35 inches leeg. Consists of 3 component parts. Cartridge housing, 1.693 inch major diameter tapered to 87 inch minor diameter. Overall length 5.88 finches, Large end has two step counterbore. Material, aluminum alloy extruded rod. Alternate, aluminum siloy, die lorging. Fin, one-piece design 3.19 inch diameter by 2.58 inches long with 6 fins Inclosed by integral sim. Counterbored both ends. Material, aluminum alloy, die-casting Comp A13 or aluminum alloy extruded rod. Holder increment (rear), 1.24 inch diameter x .65 inch bore x .035 inch thick. Harerial, carbon steel strip, cold rolled, temper 4. Protective finish, cadmium or zinc plate. Fin assembly considered somewhat difficult to produce. No Clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-28. Ammunition Item-Fin, M4A1,

APPI No. AP-28. Ammunition Item-Fin, M4A1, metal paits assembly, 6.12 inch long x 3.181 inch max clameter. Consists of 2 components. Shank, consists of 2 components. Shank, with 0.230 basic taper per linch on diameter for aprior 3.33 inches of length. Material, aluminum altor red 2011T8. Spec QQ-A-225/3A. Fin, 3.181 inch max diameter by approx 2.08 linch long, consists of 12 blades approx 1.085 inch high tapering aluminum alloy. Comp 2. Spec QQ-A-591. Fin die in thickness from .12 inch to .08 linch. Material, aluminum alloy. Comp 2. Spec QQ-A-591. Fin die rodsyc. No clearance required to receive APPI. APPI No. PA-15. Grando hand die CSI.

APPI No. EA-16. Grenade, hand, rlot, CSI, M35A2 FSN: 1330-645-6211. The M25A2 CSI hand for control rlots. No security clearance required. EA-USAMUCOM.

APPI No. EA-17. Spray tank, chemical, alreraft, Vasilon, E39R1. The E39R1 spray tank is designed for attentioners beneath the wings of light army an effective observing smoke screen in support of tast cal operations. No security dearance required. EA-USAMUCOM.

APPI No. FA-I4. Ctg. Cal. 45 Bail M1911 out grade; consists of gliding metal-clad, steel sections, FSN 1305-(A475); No clearance required obtain APPI. FA-USAMUCOM.

APPI No. AT-16. Shoe Assembly, Track Rubber, 17 Control of Control

APP1 No. AT-17. Tire. Pneumatic, 12 pty, 11:00 KC CC, FSN 2610-262-8633. No clearance to obtain APP1. USATAC.

APPI No. AT-18. Shoe Assy. Rubber Track, 13 chila APPI. USATAC.

APPI No. 16. CANCELLATION OF APPI: Published previously as APPI No. 16. Headset-Micro-Bridge Assembly (60 FSN or OPN available) assembly (60 FSN or OPN available) assemblied in 4 May 1965 issue of the Commerce Bright States Daily is hereby cancelled or request of the requiring arrivity of this Command with state-free current assets of this frem. USAMICOM.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated September 7, 1965 page 2, No. PSA 3885 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

( uit Power Crated Depth place Gaid Discharge Con-(MO), FSN 3805-633-5794, No obtain APPL USAMEC,

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APPI APPI No. ME-32. Generator Set. Description: Generator Set, Diesei Engine Driver and uid-Cooled, QPL Engine, 15 KW, 60 Cvalci A. 1. 19 PI; single 120 Volt; 3 plase, 4 Vite, 120 Volt; 3 plase, 4 Vite, 120 Volt; 4 plase, 4 Vite, 120 Volt; 5 plase, 4 Vite, 120 Volt; 6 plase, 4 Vite, 120 Volt; 6 plase, 4 Vite, 120 Volt; 7 plase, 4 Vite, 120 Volt; 8 plase, 4 Vite, 120 Volt; 9 plase, 4 Vite, 120 Volt; 10 plase, 4 Vite, 120 Volt; 120 Volt

APPI No. ME-33. Generator Set. Description: 0.8 PF; 120 Voit, 3 Ph. 3 Wret Set. 120 Voit, 3 Ph. 3 Wret Set. 120 Voit, 3 Ph. 4 Write Set. 120 Voit Set. 12

PPI. USAMEL.

4. Generator Set. Description:
30 KW. Diesel Engine Driven,
18se, 3 Wire Strawolt; 3 Phuse,
18se, 3 Wire Strawolt; 3 Phuse,
18se, 1 Wire Strawolt; 3 Phuse,
18se 1 Dasciption "Generator
2d Russell, Liquid-Cooled,
2d Russell, Power, "dated 6 skid ma ne Set, Dissa Portable Sk April 1943

MEC.
Discription: Bridge,
Salssballer Type; Class
He display in acc. APPI

porting; for pissoring Type FSN 5420-

APPI No. AT-19. Shoe, Assembly, Rubber Track, T137, FSN 2530-986-9892. No clearance required to obtain APPI. USATAC.

APPI No. AT-20. Track, Shoe, M114, M114A1, FSN 2530-955-9448. No clearance required to obtain APPI. USATAC.

APPI No. AT-21. Pad, Assembly, Track Shoe, 137, FSN 2530-816-6507. No clearance required to obtain APPI. USATAC.

APPL Religious and a modification (ATBM kits) consisting on the mined Position indicators and a synopsied at the provide multiple of the mined Position of the plotting to the provide multiple of the

APPI No. MI.32. Telephone Cable, APN 8171331, FSN 1430-334-0331; Telephone Cable, APN 8150481, FSN 5995-326-5440; Reel & Cable Assy (Reel GFE) APN 8007322, FSN 4935-800-7327; Reel & Cable Assy (Reel GFE) APN 8171827; FSN 1430-5616, FSN 1430-5616, FSN 1430-5616, FSN 1430-5616, PSN 1430-5616,

APPI No. MI-33. Track Radar Sensitivity Modification Kii: Necessary hardways of modify track radars to improve reactive is sensitivity to provide longer range track in the longer range opportunity of the longer range of the long

APPI No. MI-34. Radar Set, AN/MPQ-43 (Mobile HIPAR) p/n 9999000 consisting of 63.5% alor components: (i) Antenna, (2) ir installed Set, (3) Receiver Set, (4) Control Towell Springly and (5) Power Plant, Electric Head and a semitration, but he are the semitration of the semigraph of the s

APPI No. AV-24. Transmitter, Pressure, Electrical, AC, 26 V, 400 cycles, single phase. Connection, electrical, 1,4 contacts, Pin, contacts, MS, 33678-145-2P, other than electrical connections, 2, as per AND10049-4, Bourdon Tube, 0 to 100 psi measurement range o/a dim., 4-1/4 in. Ig., 2-7/16 in. dia., mtg., 4 attaching points, Holes, MIL MS28130. FSN 6685-840-8606. No clearance required to obtain the APP1. USAAVCOM.

APPI No. AV-25. Cutout Reiay, Engine Generator. Designed for 28V System, 300 Amp max operating current, neg ground polarity, 18 V cut-in, 7 V cutout voltage, 5 amp cutout current, w/inclosure, 5 stud terminals. 4 plain mtg. holes, 196 in. dia., 3 in. mtg eenters, fungus resistant. M1L-C-5026B. FSN 2925-555-5349. No clearance required to obtain the APP1. LISAAVCOM USAAVCOM.

APPI No. EA-18. Flamethrower portable, M9-7. FSN 1040-772-5245. The M9-7 Portable Flamethrower is used as an antipersonnel weapon. No security elearance required to obtain APPI. EA-USAMU-COM.

APPI No. EA-19. Grenade, hand, smoke, HC, AN-M8. FSN 1330-219-8511. The AN-M8 HC Smoke Hand Grenade is used to generate white smoke for screening and signaling. No security clearance required to obtain APPI. EA-USAMUCOM.

screening and signaling. No security clearance required to obtain APPI. EA-USAMUCOM.

APPI No. AP-29. Cartridge, illuminating, 81MM, M301A2, loading assembly. Consists of 4 assemblies and 6 additional components, 14,335 Inch long x 3.18 inch max diameter. Cup & disc assembly: 3 components, cup, pullcord, material sheet boxboard. Disc, coupling, material, steel strip, temper No. 2. Eyelet, rolled flange. Cup parachute (2 each) cup segment, material, sheet boxboard. Disc, parachute, material, sheet chipboard. Pln, shear (4 each), coneshaped point, material, brass wire or rod, quarter hard. Spacer, (2 each) parachute, material, strip steel. Protective plugs. Projectile: 4 components. Tube varying diameters, material, seamless steel tubing. Adapter, internal thread, material, steel bar. Tail cone, varying wall thickness, material, steel bar for itot forge. Adapter Pin, tapered end, material, bar steel. Illuminant assembly: 2 components. Case loading assembly case, charge (4 increments). Discs (chipboard & steel). Felt spacer. Ring, filler, (soft wood or piwood). Oval sleeve (Zinc Plated Copper). Suspension wire assembly: cable, preformed steel. Suspension Cup, (steel strip). Disc (Strip Steel). Rivets, naiis. Parachute Folding Assembly: Disc (chipboard). Parachute Folding Assembly: Disc (chipboard). Parachute Folding Assembly: Disc (chipboard). Parachute Holder Assembly, 4 components. Eyelets, protective plug oval sleve and naiis available commercially. Firms bidding on item should have staff including chemists, metallurgists, and tool design engineers. Item considered extremely difficult to manufacture. No security clearance required to obtain APPI. APSA-USAMUCOM.

APPI No. AP-30. Projectile, High explosive 4.2 inch M299A1 material and a security clearance.

steel). Head 1,610 inch outside diameter tapers to approx ,55 inches, several counterbores, partial thread (aiuminum alloy or aluminum alloy die casting). Adapter, 1,377-inch long x 1-inch diameter, thread both ends, (aluminum alloy or aluminum alloy die casting). Booster Cup, 8,25-inch long x 1,703-inch outside diameter, 1,536-inch linside diameter, .761-inch deep, LH thread in mouth (aluminum alloy). Closing plug, various holes & counterbores (aluminum). Housing, 1,884-inch diameter x 1,625-inch long, 1,67-inch counterbore, 1,167 inch deep, various holes, 1-finch 20 thread inside one end (stainless steet). Lower eap, 2,185-inch diameter tapered to 1,585 inch, various holes and counterbores outside diameter graduated from zero (aluminum). Bady, various counterbores & precision holes, 1,74-inch 20 thread outside, 1,60-inch 20 thread one end (brass) other smalt components include gears, plnions, shafts, springs, bushings & "O" ilngs. Subassembites and assembly must withstand rigid tests including arming, jolt, vibration, waterproof, 40-foot drop, dynamic regulation at 6000 RPM, and ballistie. Manufacturer requires highty competent metalturgical and engineering staff, Item considered extremely difficult to produce. No security clearance required to obtain APPI, APSA-USAMUCOM. USAMUCOM.

APPI No. 32. Projectile, high explosive, 105MM, M442, metal parts, approx 20.422 inches long x 4,223 inch diameter. Four components body, approx 14,03 inch long x 4,238 inch outside diameter and one end tapering to 2.38 inch at larger end and up to 3.505 inch tangent to 24-inch radius tapering down to 2-linch thread at nose. Material, Iron, pearlitic malleable casting, Spec MIL-C-4697I, minimum yielding strength of 70,000 pounds PSI with 2 per cent minimum elongation. Base, approx. 5,67-inch long x 4.128-inch outside diameter tapering to 3.547 inch boattail (steel). Rotating band blank (sintered iron). Plug, 1.97-inch long x 2.412 inch outside diameter, 2-inch external furead one end & 1.25-inch hexagon head on other (alumhum alloy die casting). Base silver brazed to body. Assembly must withstand hydrostatic pressure test of 6100 pounds PSI & alr pressure test 150 pounds PSI. Base forgings and body eastings require heat treatment. Inspections: Base & body magnetic particle; body casting, ultrasonic. Bailistic tests for separation or breakup of projectile metal parts. Producers require highly competent metallurgists, engineers & tool designers. Item considered extremely difficult to produce. No security clearance required to obtain APPI. APSA-USAMUCOM.

APPI No. 33. Mine, APERS, Mi8Al, parts arrangement. 8.464-inch long x 3.968 lnch wide x 4-inches high with leg & bracket assembly. 12 components. Ball, (700 each), .221 spherical diameter, steel bar or wire) heat treat to surface hardness of rockwell C43 to C52. Case, one piece, 8.464-inch long x 3.968-inch wide x 1-3/8 inch high on curved radius x 7/8 inch added width for sighting section. Material, plastic, polystyrene glass filled. Type I, Spee MIL-M-21347, Cover, same material as case, segments of case & cover have varying wall thicknessess, Angle Bracket, (2 each) right angle, legs .705-inch long x .52-inch wide x .125-inch thick, two .196 lnch diameter holes. Material, hot rolled steel strip. Leg, (R4 each) 4.398 inch long x .265 wide x .125 thick with .64 dinch diameter one end (strip steel). Shipping, plug, priming adapter, eccentric shape, threaded both ends, .25-inch hole one end, .32-inch hole opposite end (plastic). Other components include spring

washers, rivets and well cups. Balls bonded inside case using deveon B-1835 in a matrix. Stringent load requirements for case and cover plus rigid hot cold temperature conditioning and testing. Requires high labricating process capability and metalitysists, plastic technicians and engineers. Considered extremety difficult to produce. No security clearance required to obtain APPI. APSA-USAMU-COM.

APPI No. AP-30. Projectile, High expiosive 4.2 inch, M329A1, metal parts, 16,395 inch max length x 4,193 inch max outside diameter. 3-piece design. Consists of body, 3,73 inch inside diameter tapers to 3,062 inch nose opening, material, non-resulphurized steel tube. Adapter Nose, (non-resulphurized steel) threaded. Base, L. H. thread on one end (non-resulphurized steel). Each component must have fundinimum yield strength of 45,000 ibs. PSI at 1 percent offset, interior and exterior cleaned and phosphatized. Lustelless enamel or lacquer on experior must withstand 144-hr sait spray, item considered difficult to manufacture. No security clearance required to obtain APPI.

APPI No. AP-31, Fuze, mechanical time superquick, M564. Approx. 2.4 inches max diameter x 5.816 inches long, procured detonator & relay loaded, Complete assembly consists of approx 166 inch makerial, stamping of steel strip, ASTM A107. Vane, approx 13-1/4 inch long x 17/6 inch thick, metal, stamping of steel strip, ASTM A109. Has 16 holes and notches, center section forms holder for burster casing. Ends of short dimension of stamping formed in "S" pattern. Nose adapter, approx 2-inch long, max diameter x 5.816 inches long, procured detonator & relay loaded, Complete assembly consists of approx 166 inch makerer. Closed end forms base which has protruded threaded boss approx 1-inch diameter x 1/2 inch long. Indicates forging process. Material, stamping of steel strip, ASTM A109. Has 16 holes and notches, center section forms holder for burster casing. Ends of story, ASTM A109, Has 16 holes and notches, center section forms holder for burster casing. Ends of strip, ASTM A109, Has 16 holes and notches, center section forms holder for burster casing. Ends of strip, ASTM A109, Has 16 holes and notches, center section forms holder for burster casing. Ends of strip, ASTM A109, Has 16 holes and notches, center section forms holder for burster casing. Ends of strip, ASTM A109, Has 16 holes and notches, center section forms holder for burster casing. Ends o

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Column 1 first three paragraphs.

APPI No. MI-35. Inproved HERCULES Modification Kit consists of a Target Ranging Radar Antenna mounted on GFE 4 wheel flat bed trailer, weighing 12 lbs; Radio Frequency Detector weighing 12 lbs; Auxiliary Acquisition Cabinet (Control-Interconnecting Group) weighing 225 lbs; Target Ranging Radar Control Receiver-Transmitter Cabinet weighing 830 lbs. pins additional hardware kits, No Federal Stock Number assigned. Synopsized to afford sub-contracting opportunities only. Inquiries should be made direct with Western Electric Company, Burlington, N. C. CONFIDENTIAL Clearance required to obtain this APPI USAMICOM.

APPI No. MI-36. REDEYE Tri-Pack Containers, physical dimensions approximately 55" long, 19-3/4" high, 2i-1/4" wide, weight 68 ms. empty. The container, which accomodates free complete REDEYE weapons and and lambys atteries, is of vacuum-formed, this demits physical ending and including airdrop, and including all the containers and including airdrop, and including all the first physical containers and quick-opening as 1 ch Dile to changes and updated information, as APPI canceles and supersedes MICOM APPI No. MI-22. No Clearance required to obtain this APPI. USAMICOM.

APPI No. MI-37. Shelter Electronic Test Ground in the container of the container required to obtain this APPI. USAMICOM.

this APPI. USAMICOM.

APPI No. MI-37. Shelter Electronic Test Grc
#3, as defined by Missile Interim Specification b
5707—Rev A. This shelter is for use as a part
Multi-System Test Equipment (MTE) to proviprotective and operating facility for missile elecron
test equipment, repair equipment and technicial
Outside dimensions: L. 163 in., W. 83.1/2 in., H.
in., Gross weight: 1850 lbs (Max) Laminated foa
aluminum construction. Due to changes and updat
information, this APPI canceles and supersed.
MICOM APPI No. 1. Confidential clearance re
quired to obtain this APPI, USAMICOM.

APPI No. AT-22. Battery, 2H, 6 Volts, Storag

APPI No. AT-22. Battery, 2H, 6 Volts, Storage Type, Dry Charged (Standard Type). FSN 6140-050-0902. No clearance required to obtain APPI. USA-TAC.

APPI No. AT-23, Tire Chain, Single 9.00 x 16 Type TS, FSN 2540-054-0022. No clearance required to obtain APPI. USATAC.

APPI No. AT-24. Transmission Assy, 2-1/2 Ton. SN 2520-884-4833. No. clearance required to obtain APPI. USATAC

APPI. USATAC.

APPI No. AV-26. Pump, Rotary, Power Driven. Vane Type, Horizontal Design, 1.7 GPM, max rated capacity, 2500 RPM, at max rated capacity, 15 PSI max discharge pressure, not rated for total dynamic itead, wintegral relief valve cw rotation, inlet connection, I thd type connection, 1-2 in. npt, 1 thd type outlet connection, 1-2 in. npt, 1 thd type outlet connection, 1-2 in. npt, 1 thd type outlet connection, 1-2 in. ppt, 1 thd type Connection, 1 thd type Connection, 1-2 in. ppt, 1 thd type Connection, 1-2 in. ppt, 1 thd type Connection, 1-2 in. ppt, 1 thd type Connect

APPI No. AC-27. Klt, Repair, Minor Steerable Tailwheel, Appl, U-6 Aircraft, FSN 1630-855-9071. No clearance required to obtain APPI, USA-AVCOM.

condition it or mounting to bettart it of gerant; elected by the condition of the condition APPI No. ME-39, air cooledi, dighar di tric motifica di vet. 400 cycle. 3 politica heating par fil. No clearant requite

Manufacturer required engineers, metallurgists, tool designers. Item considered extremely difficult to readure. No clearance required to obtain APPL APSA USAMUCOM.

APPI No. AP-37. Ammunition Item—Case, carrieder. 106 MNI. M94BI. Assembly 24 inch long x 5148 inch notside diameter at base. Two major components: Tube approx 22.65 inch long x 4.698 inch cutside diameter tapering to 4.32 inch at method walf thickness varies from 120 inch at base to 378 at meath, steel strip is perforated with 1160 inch at 312 inch in diameter and welded to form take which is copper brazed to head, 5.138 inch at method which is copper brazed to head, 5.138 inch 25 method in the copper brazed to head, 5.138 inch 25 method in the long, 8074 inch diameter primer with required. Assembly has baked varnish finish after phorphatizing. Case considered difficult to produce No cleaning required to obtain APPI. APSAUSAMUCOM.

produce No cleaning required to contain produce No cleaning required to contain APP3. APP3. Armmunition Item—Fuze, grenate, hand, practice M204A2 (loaded). Consists of cletter components and five assemblies, Body, approx 73 inch high x .81 inch wide x 1.7 lnch long, Zinc trie or aluminum alloy die casting. Lever, formed trie or aluminum alloy die casting. Lever, formed components produced approx 1.7 inch long curved section by right maked app section approx .7 inch long x 24-GA m.k. strip steel. Pull ring assy: Cotter pin, steel with roll ring, rubber washer. Detonator assy: Cate 1.7% inch long x .243 OD x .035 inch thick will strip aluminum alloy lgniter charge—lead styriffer Upper charge, lead azide, lower, RDX or Firm Premer helder assy (2 components). Percusally primer assy M42, cup, anvit and cover. Charged with PA-101 primer composition or alternates. Striker 15-4 for a components: Striker, hinge shape, strip steel. A first point, 5/16 diameter x .25 inch long, bar with PA-101 primer composition or alternates. Striker point, 5/16 diameter x .25 inch long, bar with PA-101 primer composition or alternates. Striker point, 5/16 diameter x .25 inch long, bar with PA-101 primer composition or alternates. Striker point, 5/16 diameter, steel music with Parafacturers require engineers, chemists & tool Capters familiar with pyrotechnic manufacturing. Item considered somewhat difficult to produce. No Capternates required to obtain APPI. APSA-USA-MICOM MUCOM

APPI No. AP-39. Ammunition Item—Projectile, Perrical 155MM. M12EI metal parts assy. Six components. Body, approx 23.75 inch long x 6 incli Cometer, nose section threaded & precision finished with 16 to 32 micro-inches, steel. Fuze adapted with 16 to 32 micro-inches, steel. Fuze adapted with 16 to 42 micro-inches, steel. Fuze adapted with 16 diameter x 2.23 inch long x 1.909 inching the diameter, external & internal threads, steel control of the diameter x 2.23 inch long x 1.909 inching the diameter x 1.975 inching the matter x 6.99 inch inside diameter x 1.975 inching the Material gliding metal. Gasket, neoprene rather VCI paper approx 20 inch square. Rubber spring gasket Magnetic particle inspection in nose spring gasket them considered very difficult to gradue. No clearance required to obtain APPI. APSA-USAMUCOM.

APPI No. AP-48. Ammunister from Control of the control of th

APPA-USAMUCOM.

APPI No. AP-40. Ammunition Item—Case, carsinder. 105MM. M14B4, assy metal parts, 4.211 inch miximum outside diameter x approx 15.64 inch 2075. Three components: Body, 14.142 inch long x 4.211 inch maximum outside diameter at mouth. Micrial celd-rolled steel, .024-006 inch thick. Bo22 wrapped from trapezoidal blank to provide three tricknesses of metal at base and one thickness of mount diversal pain mouth. Base 4.688 inch outside diameter x .55 inch thick with step diameter date inch x .372 inch wide & centered primer case belt stonet force to the kinds of metal at base and one thickness of mount diversal pain mouth. Base 4.688 inch outside diameter with 63 inch counterbore special har steel. Collar, 4.04 inch outside diameter x .35 inch thick, lottmed ring, 2.56 inch inside diameter. With V-notch at bottom and angled lip. Sproial bas steel. Components phosphate coated and variabled prior to assy. Manufacturers require staff of engreers, metallurgists & tool design engineers. Item extremely difficult to produce. No clearance required to obtain APPI. APSA-USAMUCOM.
APPI No. FA-15. Propellant for Cartridge Caliber obtain APPI. Fa-USAMUCOM.
APPI No. FA-16. Propellant for Cartridge Caliber of the pain APPI. No clearance required to obtain APPI. Fa-USAMUCOM.
APPI No. FA-16. Propellant for Cartridge Caliber of the pain APPI. Fa-USAMUCOM.
APPI No. FA-17. Propellant for Cartridge Caliber of the pain application of the pain APPI.

APP1 No. FA-17. Propellant for Cartridge 7.62-MM. Ball, M80 and Tracer M62. No clearance tequired to obtain APP1 FA-USAMUCOM.

tegaired to obtain APPI FA-USAMUCOM.

APPI No. 3. CANCELLATION OF APPI: Publiced previously as APPI No. 3 tempedar Beacon, X-Brand St. 4 T. Ravillabled tynopsized in 6 April 155 tempedary to the Continuous Hasiness Daily is berete cuts of the Continuous Hasiness Daily is berete cuts of the Continuous Hasiness Provide the Continuous Hasiness Provide the Continuous Hasiness Hasiness of X-Hand Beacons on hand are sufficient to meet all anticipated requirements. USAMICOM.

APPI No. 6 CANCELLATION OP APPI, Pre-viously published as APPI No. 6, covering Instru-mentation assumption of the Property of State of Commerce optied in the Property of State of Commerce Business Daily State of Concerned on request of the result and the Concerned of the result and the Concerned of the French and the Concerned of the Concerned

the balance of projected requirements which are now reflected in APPI No. MI-28 synopsized in the 3 August 1965 issue of the Commerce Business Daily.—USAMICOM

#### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated Nov. 2, 1965 page 2 No. PSA 3925 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APP1 No. AV-29. Regulator, Oxygen, Automatic, Pressure-Breathing. In accordance with MIL-R-25916, FSN 1660-567-2921. This is a Qualified Products List Item. No. clearance required to obtain APPI, USAAVCOM.

APPI No. AV-30. Link Assembly, Pitch Change Control, Main Rotor, (Hellcopter), Steel, Iron corresion preventive finish, FSN 1560-830-9731, No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-31. Indicator, Vertical Speed, Rapid Response, Acceleration Sensitive. In accordance with MIL STD MS25454 Rev A, dtd 17 July '62 and MIL-1-58067 (MO dtd 8 May '63, with Amendment #1. FSN 6610-952-8832. This procurement will be a 100% small business set aside. No clearance required to obtain APPL USAAVCOM.

quired to obtain APPI. USAAVCOM.

APPI No. ME-42. Tank, fabric, collapsible; water, nylon, subbar notice to base on gancity, 11 ft. 3 in. is like to 14 ft. is lee, aw/stoves, gny ropes, over k armined for hymical fulber coated both sign of the property o

APPI No. ME-43. Air conditioner; floor mig., air cooled; Dichlorodiffuoromethane refrigerant; electroter driven, 2 HP, AC, 208V, 3 phase, 60 cycle 18,000 BTU cooling per hr. MIL-A-0011210D, dtd 16 Mar 65 class 1, and Dwgs D13164-1 thru 48, FSN 4120-266-9074. No clearance required to obtain APPI. USAMEC. USAMEC.

APPI No. ME-44. Air conditioner; floor mig, air cooled. Monocition of the refregerant; electric present did 4 HB, AC 108V. 3 pliase, 400 ceres il mig Heyl collider and 12,000 BTU heating per air 140 A 22 44 15ss 2; & DI. 13211B 185M 178 00 T 250 No. clearance required to obtain APPI. USAMEC.

ME-45. Air conditioners floor mig; air culture floor distributioner of rigerant, elected file A.7. 20 Vs. in phase 50/60 at a condition and 12,01 BTU heating the second floor cooled. motor cycle;; per hr: FSN 4

APPI No. ME-46. Loader, scoop type, vertical lift front dump 8000 ib. rated domesticacity, bucket data, 2-169. It is a lift from the specificacy of the specificacy o

APPI No. AP-41. Ammunition Item - Grenade, hand, fragmeentation, M26A2, metal parts. 3.33 lnches high x 2.36 inch outside dia. Consists seven components; upper body, 1.62 inch high, 2.24 inside dia., .012 lnch thick, well formed one end, .755 inch dia. x .135 inch deep, lock seam formed other end 360 degrees. Lower body, 1.44 inch high x 2.24 lnch Inside dia., .012 inch thick hole formed one end, .995 inch inside dia. for closing cap, lock seam end formed 360 degrees. Material; upper and lower body, cold-rolled strip steel. Spiral coll, 2.78 inch high x 2.22 inch outside dia. spiral wrapped, coil interior surface notched. Material, hard-drawn wire or cold-finished earbon steel. Weil, 1.565 inch long x.5 65 inch outside dia., .007 inch thick, brass strip, alloy No. 1. Bushing, .76 inch high x .75 inch outside dia., flanged, internally threaded one end. Material, cold-finished bar steel or seamless steel type. Closing cap, .08 inch high x 1.145 inch dia. Base disc, .93 inch dia. x .0747 inch high, corrugated. Closing cap and base disc of cold-rolled strip steel are assembled by brazing or welding. Lower retaining ring, .32 inch high, .99 inch dia, of cold rolled strip steel. Manufacturer requires metallurgists, chemists and tool designers. Item not considered difficult to fabricate and assemble. No clearance required to receive APPI. AP-USAMUCOM. APPI No. AP-41. Ammunition Item - Grenade,

APPI No. ME-47. Tractor, fuil Iracked, low speed, diesei engine drivent A/A draw bar pull, 74 in min gage tract data, oscillating type, grouser type shoes intereral grouser, in, 1g, on ground, w/power shift type transmission in combination with Torque Converter, in accordance with MIL-T-52270(MO), FSN 2410-965-5898. No tlearance required to obtain APPI. USAMEC.

rype transmission in combination with Torque Converter, in accordance with MILT-52270(MO), FSN 2410-965-3898. No clearance required to obtain APPI. USAMEC.

APPI No. AP-41. Ammunition Item-Fuze, BD, M578 MPTS with detonator, approx 4.802 inch long x 1.68 luch dia, Consists of 42 components. Major components include fuze budy, approx 3.06 luch long x 1.68 luch dia, with yutside thread. Three step conterbore to tleptin of 2.685 inch, inside dia, 875 luch, internal thread at open end. Material, special quality bar sieel with protective fulsts. Locking segment and striker needle assembly, aluminum alloy components include segment holder approx 8.25 inch long x 1.356 inch dia, two counterbores stepping down to 250 luch dia, thro hole on kongitudinal axis, two 2.50 luch dia, thro hole on kongitudinal axis, two 2.50 luch dia, thro hole on kongitudinal axis, two 2.50 luch dia, blind holes 188 degrees apart on opposite end. Striker body, cover, cupshaped, two segments, each approx 1.0 luch long, 80 luch wide, 0.66 inch thick, kidney-shaped with various blending radii, of aluminum alloy. Segment holder plate, arming delay assembly, foatled, which includes the government-furnished XM61E2 detonator, Smaller components include escape wheel and plnist Fuze assembly must withstand joit, jumble and transportation tests. Locking segment and striker needle assembly and arming delay assembly subject to split tests. Maturfacturer should have engineers, metullurgists and tool designers. Item considered very difficuit to produce. No clearance required to receive APP1. AP-USAMUCOM.

APPI No. AP-43. Armmunition Item -Fuze, Pl. BO, M530A1, primer and detonator loaded. 1,963 inch long x 1,350 inch dia. Consists of 44 components. Major contreponents include nuts, plns, spriugs, bushing, contacts, and bleeder resistor. Assembly subject to acceive APP1. AP-USAMUCOM.

APPI No. AP-43. Armmunition Item -Frojecilie, 105nm, HEP-T, M393A2 metal parts. 15.84 inch long x 4.128 inch outside dia. Three components body assembly, contacts, and bleeder

required to receive APPI. AP-USAMUCOM.

APPI No. AP-45. Ammunition Item - Projectile, HEAT-FS, 90mm, M371E1, MPTS. Assy 14.47 Inch long x 3.58 Inch dla. 13 components, Major components; body, 6.46 inch long x 3.54 inch OO, tapered nose, 3.5 inch 10, tapered wall thickness, knurled rotating band seat, thread both ends, aluminum alloy, Rotating band, rigid polyvinyl. Adaptor, aluminum alloy, truncated cone shape, counterpored and threaded top and bottom. Cone, sheet copper. Spike, steel, 6.7 Inch long x 3.88 inch beli-mouth dia. Fin, aluminum alloy, 12.53 inch long x 3.5 inch dia., six webs with T-shaped lugs, internal thread in fin base and external thread opposite end. Other components include conduit, nose cap, insulator and wire lead. Manufacturer requires engineers, metallurgists. Item considered extremely difficult to produce. No ciearance required to receive APPI, AP-USAMUCOM.

APPI No. EL-39. Amplifier Power Supply Group

o receive APPI. AP-USAMUCOM.

APPI No. EL-39, Amplifier Power Supply Group OA-3633()/GRC furnishes the regulated direct-current (DC) power required for vehicular operation of Receiver-Transmitter Radio Sets AN/VRC-53() and AN/GRC-125(), also provides for mounting of Receiver-Transmitter RT-505()/PRC-25. Operates from a 22.0 to 30.0 VDC vehicular battery source. Nominal input voltage 26.0 VDC; frequency range 30 to 76 megacycles. The amplifier provides the amplification necessary to drive a self-contained panel-mounted loud-speaker, Confidential clearance required to obtain APPI, USAECOM.

APPI No. EL-40. Telephone Test Set TS-1323(), APPI No. EL-40.

APPI No. EL-40, Telephone Test Set TS-1323()/PTM-7 a portable battery operated test set intended primarily to check performance of unattend, binary cable repeaters and to locate cable faults in one mile of unrepeatered cable span of Special Purpose

Cable Assembly CX-4245/G and to provide communications withattended terminal points located up to a maximum distance of 40 miles, It is 14 inches iong, 12 inches wide and 7½ inches high. Confidential clearance required to obtain APPI. USAECOM.

tial ctearance required to obtain APPI. USAECOM.

APPI No. EL-41, Radar Set AN/PPS-5 is a ground surveillance radar set which includes Receiver-Transmitter RT-692. Fripod MT-2958, Antenna AS-1394, Oattery Box CY-3871 and Handset H-226. RT-692 can be operated with or without a Remote Control Unit, battery operated, 6 or 24 D.C. voits. Maximum range 10,000 meters. A lightweight, miniaturized, combat surveillance radar utilizing n silent type power supply. This equipment is capable of detecting and locating, under conditions of poor visibility, moving targets such as personnel and vehicles. Also capable of detecting and locating large fixed targets under line of sight conditions. To be used in forward combat areas to provide intelligence of enemy movements. Confidential clearance required to obtain APPI. USAECOM.

APPI No. MI-38, SHILLELAGH- Container As-

APPI No. MI-38, SHILLELAGH- Container Assembly, shipping and storage, guided inissile are containers used in packing 152mm missiles and are designed to withstand all conditions encountered in handling, storing and transportation of missiles. No Federal Stock Number assigned, CONFIGENTIAL Clearance required to obtain APPI. USAMICOM.

APPI No. WE-10. Milling, Grinding, Drilling and Stotting Attachment. Size 1, for lathes 9 to 13 in. swins, 115V, AC, sgl phase, 60 cyc. 1/3 HP, 1725 RPM w/reversing switch and Standard Equipment. FSN 3460-840-1010. No Security Clearance Required, USAWECOM.

APPI No. WE-II. Table, Work, Automotive Maintenance: laminated hardwood working surface, 72 in. Ig., 25 in. W. 3535 in. h. FSN 4920-543-7771. No. Security Clearance Required. USAWECOM.

APPI No. WE-I2, Swap, English of Country Clearance Requireds 1.24 ECOM.

APPI No. WE-I2, Swap, English of Clearance Regulards 1.24 ECOM.

APPI No. WE-I2, Swap, English of Clearance Regulards 1.24 ECOM.

APPI No. WE-I3, MAINTENANCE COMMITTENANCE CONTROL OF COMMITTENANCE COMMITTE

APPI No. AT-25. Cover Assembly, Gunshleid. Canvas, FSN 2540-692-9029. No clearance required to obtain APPI. USATAC.

APPI No. AT-26. Bushing Assembly, Torque Converter, Reaction Plate. FSN 2520-092-9296, No clearance required to obtain APPI. USATAC. APPI No. AT-27. Synchronizer, Transmission, Fourth & Flith Speed. FSN 2520-752-1022. No clearance required to obtain APPI. USATAC.

APPI No. AT-28. Ilose Assembly, Rubber, Avlation, Gas Segregation Kit. FSN 2540-884-4841. No cleamnce required to obtain APPI. USATAC.

APPI No. AT-29. Paulin, Truck, Cargo Body, FSN 2540-740-9679. No clearance required to obtain APPI. USATAC.

APPI No. AT-30, Kit, Repair, Universal Joint, FSN 2520-028-3434. No clearance required to obtain APPI, USATAC.

APPI No. WE-9. CANCELLATION OF APPI. Previously published as WE-9 in October 5, 1965 issue of line COMMERCE BUSINESS DAILY, this APPI is hereby cancelled on request of USA-WECOM. USAWECOM.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated Dec. 7, 1965 page 2 No. PSA 3948 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. EA-20. Carrier, field, protective mask, Mi5, FSN 4240-591-5151. The carrier is designed to contain the M17 field protective mask and accessories. It is fabricated from colton duck incorporating several exterior pockets, flap at opening, snap fasteners, slides, snap hooks and several stiffeners held between carrier body and interior inling in accordance with applicable military specifications and drawings. No elearance required to obtain APPI, USAMUCOM-EA.

APPI No. EA-2I, Harness, head, C8RI, FSN 4240-690-8765. The head harness is designed to hold the M17 field protective mask in place and consists of a center pad made with two places of 2" cotton webbing to which are sewn five places of

7/8" elastic webbing ill accordance with applicable nititary specifications and drawings. No clearance required to obtain APPI. USAMUCOM-EA.

APPI No. FA-18, Metallic Belt Links, Mi3, Mi4A1 and Mi7A1 are used with caliber .30, 7.62mm and 20mm cartridges in machine gaus. The links are made of steel, processed for rust prevention and are required to meet specific test requirements to assure satisfactory amminition feed and functioning under all service conditions. No clearance required to obtain APPI, USAMUCOM-FA, APPI No. FA-19, Bantdoleers M2 and M4 are pilve drab cotton cloil containers used for holding either linked or elipped 7.62mm annitualtion, No clearance required to obtain APPI. USAMUCOM-FA.

APPI No. FA.20, Cartrlige Ctip 7.62mm No. 5-round consists of a chained shaped body containing a spring and holds 5 cartrliges. The purpose of this ctip is to facilitate the louding of magazines for the 7.62mm rifle, M14. No clearance required to obtain APPI. USAMUCOM-FA.

APPI No. FA-21. Metal Boxes, M2A1, M19Ai and T 46 are reusable steel boxes having linged covers scaled by means of a rubber gasket. These containers are used for packing small arms ammunition and are designed to wilhstand all conditions commonly encountered in handling, storing and transportation of anmunition. No clearance required to obtain APPI. USAMUCOM-PA.

transportation of ammunition. No clearance required to obtain APPI. USAMUCOM-FA.

APPI No. AP-46. Fuze, proximity, M532. The complete fuze weighs 1.3 pounds, is six inches long and the length of its Intritision is 2.21 inches. The M532 comprises a housing (Body), an antenna, an oscillator, an amplifier, a battery, an arming mechanism, a booster, a PD trembier switch and a switch to deactivate the proximity device. The visible parts of the M532 are a piastic nose cap mounted in an alumitum ring, which is attached to the aluminum tuze base, and a steel cup (extending beyond the base) which contains the S&A device and booster. The base of the fuze screws into the nose of the projectile. The deactivating switch is manually operated by turning the nose cap of the ize. The electronic head consists of the oscillator and amplifier. The trembier switch is in the subassembly with the amplifier. The battery plugs into the base of the electronic head. The power supply (PS 201A) is a 90 cell thermal battery with a potential of 150 volts. A stiffer setback spring is used. This item (M532) is considered very difficult to make. Manufacturing firms will require a highly competent technical staff, consisting of engineers, metallurgists, techniclans and tool design engineers to fabricate and maintain precision tools for production of precision parts and assembiles. The supplier of the thermal battery should be one that has had considerable experience in the manufacture of a highly reliable product. SECRET clearance required to receive APPI. USAMUCOM-APSA.

APPI No, AP-47. Link, cartridge, metallic belt.

clearance required to receive APPI, USAMUCOM-APSA.

APPI No, AP-47, Link, cartridge, metallic belt, 40 MM, M16, consists of two (2) pieces, loop, cartridge link and coupling, cartridge link, and are not assembled together for delivery. Coupling, cartridge link is manufactured from steel C1010 Federal Specification QQS-633, Part is machined and is collar button shaped, 44 inches by 49 inches and has various grooves and 58 inches spherical radius on one end, Loop, cartridge link is manufactured from steel 1050, 1050 MOO, Federal Specification QQS-6777, coid roiled antealed, Material has slots and cut outs in material, .035 inches thick and loop is 1,990 inches by 1,970 inches Loop is made from two pieces of material projected welded in two piaces. Optional method is to fabricate in one piece and weld in one place only. Link and coupling require heat treatment and final protective finish in accord with 5,3,1,2 of MIL-STD-171i. Link and coupling are considered difficult to manufacture to the dimensional tolerances, Welding is considered difficult. No clearance required to receive APPI, USAMUCOM-APSA.

APPI No, AP-48, Case Cartridge, 40 MM, M169, 209 inches loap vi 534 inches 1714

is considered difficult. No clearance required to receive APPI. USAMUCOM-APSA.

APPI No. AP-48. Case Cartridge, 40 MM, M169, 2,09 inches long x 1.624 inches to 1.714 inches diameter with varying wall thickness from .032 inch to .724 inch, with a web in approximate center of case which is cup shape, approximately .136 inch thick with 6 each .108 inch diameter tapered holes equally spaced around the web inside of case. This material is aluminum alloy 6066 chemical comp., par. 3.1, Spec. MiL-A-25493. This litem has metal stampling in base, uses gothic capital letters to a minimum depth of 0.10 inch ralsed material which shall not exceed .002. The letter to identify item by nomenclature, manufacturer's code letter, iot number and year of manufacture, Protective Finish No. 4.3 followed by Fninsh No. 7.2,2 of MIL-STD-171 dechromate seal, minimum 5 percent solution. Color must not be lighter than Green No. 34151 or darker than Green No. 34079 of Federal STD No. 595. Piug Base, .473 inch thick x 1.033 inches diameter with a primer pocket .127 inch deep x .209 inch with flash hole .108 inch through piug. Material, aluminum ailoy, 7075-T6, Spec QQ-A-277, protective finish same as case car-

tridge. Disc Closing, .010 inch tillck x .66 inch diameter of material brass alloy No. 1, Spec ASTM-B36-61. Finished cartridge case must withistand a hardness test near the month and base of the case, method of test, 243 of Federal Standard No. 151, and corrosion resistance shall be tested in accordance with Federal Standard No. 151. Method 811.1 contractor must provide and maintain an effective quality assurance system. This item is considered very difficult to manufacture to meet applicable specifications by mass production methods. No clearance required to receive APPI. USAMUCOM-APSA.

clearance required to receive APPI. USAMUCOM-APSA.

APPI No. AP-49. Signal, illumination, ground, red star cluster M158 is rocket propelled, fin-stabilized pyrotechnic device which is fired by its integral launching mechanism. The end item is 10.16 inclies long by 1.67 inches at the point of maximum outside diameter. The five red stars are ejected from the signal body by means of a black powder delay element. Attached to the signal body is a rocket motor assembly which utilizes a mixture of black powder and calcium carbonate as the propellant. A tall assembly is located on the outside of the motor caving tube. This tail assembly consists of four folding fins welded to four ribs which are in turn welded to upper and lower tail rings. All of the above are contained in a rocket barrel, the base of which houses a primer and rocket initiating charge. After ignition of the initiating charge by the primer, the flame flashes through a hoie in the bolt which holds a nozzle plate to the motor casing tube. The boit hole leads directly lato the round cente, hole in the propellant. The flash into the bolt hole therefore provides for propellant lignition. The top of the rocket barrel is closed by a cork seating disk and covered by a firing cap which contains the firing pin. No clearance required to receive APPI. USAMUCOM-PSA.

a cork seating this aim contains a cork seating the principle of receive APPI. USAMUCOM-PSA.

APPI No. AP-50. Simulator, hand grenade M-16AI is a pyrotechnic device, iguited by the action of fuse lighter M3AI and is thrown like a hand grenade. It burns for 6 to 10 seconds after ignition, producing a flash and accompanying loud report. The fuse lighter M3AI is 4.5 inclus long by 1.5 inch diameter procured loaded with approximately 1.3 ounces photoflash powder. Major Components: Tube Outer (2 each) 2.25 inches long by 51 inch outside diameter by .065 inch wall thickness, material kraft paper, convolute or spiral wound, sieeve 2 inches long by 42 inch outside diameter by .34 inch inside diameter kraft paper convolute or spiral wound. Tube 2.25 inches long by .34 inch outside diameter material, kraft paper. Disc 1 and disc 2 board binders sheet and cap material, polystyrene. Cup igniter .25 inch diameter by .22 inch length by .014 inch wail thickness, material, glidling metal strips, ferrule (2 each) 5/8 inch long by .26 inch diameter by .08 inch wall thickness. Clip safety formed wire 1.25 inches long. Cord, pull 8 inches long materiat, nylon. Simulator must withstand a jumble test Specification M1L-STD.351. Sealed cartons of simulators to withstand waterproof test for 4 hours. Firms producting items will be required to maintain effective quality assurance system required by Specification M1L-145208. This item is considered difficult to produce to required specifications. No clearance required to receive APPt. USAMUCOM-APSA.

APPI No. AV-32. Elevator Assembly, Trim Tab. Fixed Wing Aircraft. In accordance with Draw-

APPI No. AV-32. Elevator Assembly, Trim Tab. Fixed Wing Aircraft. In accordance with Draw-No. 1560-U6-222. FSN 1560-099-2239. No clear-12 required to obtain APPI. USAAVCOM.

PPI No. AV-33. Elevator Assembly, Trim Jack, Fixed Wing Aircraft. In accordance with Draw-No. 1560 L20-000. FSN 1560-397-0521. No clear-tequired to obtain APPI.—USAAVCOM.

APPI No. AV-34. Tire Programme 3, 4 and 6A.

APPI No. AV-34. Tire Preumatic. Alreraft Equipment, Tail Wheel Application, Low Pressure Type, 150-4 Size Designation, 6 Ply Rating, material of order of not required, ribbed thread pattern, 2 ribs, lesigned for use w/separate inner tube. MiL-T-504t [ype iii] as modified by Requirements 3, 4 and 6A.

SN 2620-856-8808. No clearance required to obtain APPI. USAAVCOM.

APPI. USAAVCOM.

APPI No. AV-35. Tire Pneumatic. Air craft equipment. Main Wheel Application, Low Pressure type. 8.50 x 10, Nylon Cord, Ribbed Tread, MIL. C-5041, Type 3 as modified by 10 piy rating, FSN 2620-772-6468. No clearance required to obtain APPI. USAAVCOM.

ABDI NO. AV-26. Still Leading Communications are controlled to a c

APPI No. AV-36, Skid, Landing Gear. Applica-tion, OH-23 Rotary Wing Alicraft. Procurement will be 100% small business set aside. FSN 1630-USAAVCOM.

The AMC announces the availability for release of Advance Planning Procurement Information for the following:

APPI No. ME-48. Drill, pneumatic, drifter: Dry peter p type, cra 

APPI No. ME-49. Air Conditioner: floor mtg, air cooled, Dichlorodifluoromethane refrigerant, elec motor driven, 2 hp. AC, 230V, single phase, 60 cycle reconnectable to AC, t155V, single phase, 60 cycle, 18.000 BTU, Military Spec. A-11210, class 2, FSN 4120-289-1323. USAMEC.

FSN 4120-289-1323 USAMEC.

APPI 123 USAMEC.

APPI 125 USAMEC.

APPI 125 USAMEC.

APPI 125 USAMEC.

APPI 125 USAMEC.

60 cycle. 125 USAMEC.

APPI No. MIE-51. Compressor, reciprocating, power driven, designed for air, 2 stage, 2 cylinders, angle or vertical design, single acting, 8 CFM free air actually delivered, 175 PSi discharge pressure w/gasoline engine, 3hp with 401 cu. ft. capacity air receiving tank, hand truck mtd, 2 wheel, pneumatic tires, w/tire inflator attachment for std and targe bore valves, FSN 4910-204-2644, and rubber flose assy, 5/16 in. ID, 50 ft tong, lightweight, max totat operating W7 not to exceed 150 tb, intercooler between stages, Mil Std gasoline engine model 2A016-2, FSN 4310-752-9632. USAMEC.

APPI No. ME-52. Compressor, reciprocating, and the stages of the stage

2A016-2, FSN 4310-752-9632. USAMEC.

APPI No. ME-52. Compressor, reciprocating, power driven, designed for air, 2 stage, 2 cytinders, angle or vertical design, single, acrass, 15 CFM free air cooled, we apply the construction of the cooled, we are the cooled, we see that the cooled of the

APPI No. ME-53. Generator St. lessel engine, 100 kW. AC description of the lessel engine, 100 kW. 240/416V. The lessel engine, 100 kW. 240/416V. The lessel engine, 100 kW. 240/416V. The lessel engine, 1015 kW. AC, 1.0 power lactor, 115 V, single phase, 2 wire service, 400 cycle operation, air colled, open, base mtd, w/carrying case, FSN 6115-964-5431. APPI No. ME-55.

USAMEC.

APPI No. ME-55, Generator set, in other engine, phase, 0.8 power factor, 120 line to line, single phase, 0.8 power factor, 120 line to line, single phase, 0.8 power factor, 120 line to line, single phase, 0.8 power factor, 120 line to line, single phase, 0.8 power factor, are cooled engine, manually cranked by rope, skid shock ubular frame mtd. FSN 6115-017-8238. USAMEC.

APPI No. ME-56. Heatens and the postable.

cooled control tubular frame in...

APPI No. ME-56. His way the control of the requiring activity of this center as a result of the requiring activity of this center as a result of incomplete Technical Data Package. USAMEC.

APPI No. ME-42. Azimuti, Gyro, Hight weight, FSN, 6675-062.8579, MIL-S-52256(MO) Dated 20 US.

November 1962, (Revision of Spec, by 31 December merce Business Daily is hereby cancelled on request of the requiring activity of this Center as a result of incomplete Technical Data Package. USAMEC.

APPI No. ME-46. Loader, scoop type, verticat data 2-1/2 cup. 85 Errain procity, bucket purpose application of the requiring activity of this Center as a result of incomplete Technical Data Package. USAMEC.

APPI No. ME-46. Loader, scoop type, verticat data 2-1/2 cup. 85 Errain procity, bucket purpose application of the equipped w/ 4 drive sheet. The state of the equipped w/ 4 dr

Alrerat Armament Subsystem M6 & XM16. No Security Clearance Required. USAWECOM.

APPI No. WE-18. Barrel Assembly, Machine Gun. 7.62mm. No Security Clearance Required.

USA-WECOM.

APPI No. EL-42. Beacon Set, Radio AN/GRN-6.

() is a medium power (400 watt), radio-frequency communications transmitter. It is used for voice communication or transmission of beacon signals to aircraft in the Irequency range of 190 to 500 kilocycles. The beacon signal is modulated by a keyed 1,020 cycles per second tone which can be used for long or short range homing by aircraft equipped with a direction finder tuned to the frequency of the beacon signal. Under normal conditions, its maximum coverage is in excess of 100 miles. CONFIDENTIAL clearance required to obtain APPI USAECOM.

APPI No. EL-43. Radio Set Control Group AN/GRA-39 used with Radio Sets AN/VRC-12, AN/VRC-43 through AN/VRC-49, AN/PRC-25 and other similar tactical radio sets. The AN/GRA-39 allows an operator to transmit or receive voice conumunications through a radio set from a distance of up to 2 miles away from the radio set. Voice transmission or reception through the radio set is established from either the C-2328/GRA-39 or C-2329/GRA-39 at the option of operators. Provision is also made for voice communication between the local and remote operators. CONFIDENTIAL clearance required to obtain APPI. USAECOM.

APPI No. EL-44. Radio Set AN/ARC-73() is an airborne radio communications set which provides transmission and reception of amplitude modulated (AM) very high frequency (VHF) radio signals between air to ground and air to air within the range of 108.00 to 151.95 megacycles. Major components consist of Transmitter T-879()/ARC-73; Receiver R-1123()/ARC-73; Control, Radio Set C-APPI. USAECOM.

APPI No. AT-31. Tire Chain, Single 9:00x20 Type TS ND-CC Tire ESN 2540.054.003

APPI No. AT-31. Tire Chain, Single 9:00x20 Type TS, N.D.C.C. Tire FSN 2540-054-0023. No clearance required to obtain APPI. USATAC.

APP1 No. AT-32, Wire Rope Cable Assembly, Single Leg Tow and 1/8 by 10 ft, long, FSN 2540-202-2525. No clearance required to obtain APP1.

APPI No. AT-33. Seal Set, Acceleration Clutch Gearshift Hand Brake and Steering Column (Parts Kir), FSN 2540-887-1343. No clearance required. USATAC.

APPI No. AT-34. Battery, Storage Lead Acid, DC 12 Volt, Type AT. FSN 6140-191-8485. No clearance required. USATAC.

APPI No. AT-35, Pump Assembly, Oil Input, ransmission, FSN 2520-776-8067. No clearance re-Transmission, FSN quired. USATAC.

quired. USATAC.

APPI No. MI-39, SHILLEALAGH DUMMY GUIDED MISSILE. The DUMMY GUIDED MISSILE has the same external size of the weight and balance as the SHILLEALAG finsile, it is for use by the user for family lization with the item, for development of transiting the processory and for training. The Demonstrated by Jones is approximately 6° included the state of the property of the state of th

APPI No. MI-40 Cable (8000 ft. per target). Cable used to attach TOWBEE Target to the FIREBE Guided Missile Target. This cable covered by Military Specification MIL-T-23439A and Qualified Products List 23439-1. No Federat Stock Number assigned. No clearance required to obtain APPI, USAMICOM.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated Jan. 4, 1966 page 2 No. PSA 3966 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. EA-22. Detector Kil, chemical agent, VGH, AN-M15A1A, FSN 6665-897-6579. The VGH, AN-M15A1A chemical agent detector kit is used to detect the presence of chemical warfare agents in the atmosphere. The kit contains miscellaneous detecting components as follows: Detector tubes, glass: Instruction cards; detection lickets; plastic pockets (envelopes); substrate dispenser; plastic squeeze bottle; aspirator but assembly; packets of powdered reagent; vial, tablets of compound 34; and detector tube dispenser. No clearance required to receive APPI. EA-USAMUCOM.

APPI No. AP-51. Ammunition Item—rocket mo-

to receive APPI. EA-USAMUCOM.

APPI No. AP-51. Ammunition Item—rocket motor, 66mm, M54, approximately 1-1/2" diameter by 10" long, aluminum alloy extrusion, six integral fins on nozzle to attach six folding fins, Consists of 20 components shown on (6) ordnance drawings with (11) applicable specifications. Requires machining, drilling, reaming, milling, threading, heat and sur-

face treatment. Competent technical staff required. Item is difficult to produce to government specifiers. No clearance required to receive APPi, USAMUCOM.

llons. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-52. Ammunition Item—fuze, rocket, M412, procured with loaded detonator, electric M48, and primer, STAB T-96, 1.86° long x 1,245° dla. x Consists of 69 components. Five major components are base, mounting, approximately 1.245° dla. x 6.36° long requires drilling, milling, tapping, forming of slots, and deburring per MIL-F-60005; material aluminum alloy, Spec QQ-A-391, class 10, alternate material aluminum alloy rod, temper 3, Spec QQ-A-365; support rear is 1.058° long x .666° W by approximately .032° thick holes and slots formed by pressing; material cold-rolled carbon steel strip No. 2 finish, 4 or 5 temper, ASTM adds. Rotor is approximately 1° long by .625° dlameter, requires drilling, milling, tapping, slotting and deburring; material aluminum alloy, rod, temper T3, composition A, Spec QQ-A-365; support setback, 1.444° x .893° x .032° thick, requires angles, slots and holes; material cold rolled carbon steel strip No. 2 finish, 4 or 5 temper, ASTM A109; cover is 1,245° x 1,233° long, cold-rolled carbon steel strip No. 2 finish, 4 or 5 temper minor components assembles to cover consist of plate cover by silver brazing visible 360 degrees on this joint, Requires competent technical staff and is very difficult to manufacture per applicable drawings and specifications. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-53. Amnunition item—warhead, 66mm, rocket, HE, Mi8, approx 2-5/8° dla x 9°

tions. No clearance required to receive APPI, AP-USAMUCOM.

APPI No. AP-53. Ammunition item—warhead, 66mm, rocket, HE, Miß, approx 2-5/8" dia x 9" long. Body head approx 5.10" long x 2.568" dia x 9" long. Body head approx 5.10" long x 2.568" dia x large end x 1.129" dia. at small end; material, steel strip FC10009, FS1015 to FS1020, cold rolled and annealed, temper No. 5, finish No. 1 or No. 2, Spec QQ-S-640. Ogive approx 5.79" long x 2.598" dia large end x 1.262" small end; material aluminum alloy sheet, 3003-0, ASTM B209, .070" to .027" thick, Liner approx 3.129" L x 2.604" D, conical shaped, .039" wall thickness; material, copper strip, cold rolled, soft annealed, ASTM B152. Body head and ogive shrunk fit and crmped, insulator approx. .33" x .986"; material, molding plastic and molded plastic parts, thermo-setting, type CFG, Spec MIL-M-14. Condult approx 9.43" L x .098" O.D. and .065" I.D.; material, tubing, brass, No. 3 alloy, ASTM B135. Connector insulator, approx .135" D at large end x .085" I.D. at small end; material, brass strip, composition I, spring temper, Spec QQ-B-613. Gasket nose, approx .860" I.D. x .125" O.D. x .003" thick; material, gasket, class B, Spec MIL-P-5516, screw insulator No 2 x 1/4" long, type B, style, Spec FFF-S-107, conduit soldered to link, shrink fit head body to liner. Requires competent technical staff and is difficult to manufacture to applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-54. Ammunition Item—closure for rocket, 66mm. AT. M72. MFD per Specs MIL-A-

receive APPI. AP-USAMUCOM.

APPI No. AP-54. Ammunition Item—closure for rocket, 66mm, AT, M72, MFD per Spees MIL-A-2550, MIL-STD-8, MIL-STD-9, MIL-STD-10. Material high strength extruded aluminum alloy, 2.94" receding 60 degrees basic to 1.47" D cylinder, extending 2.29" mouth beveled, modified buttress thread, 1.54" pitch diameter. Inside of cylinder has opening recessed diameter of 1.28" extending.76" with two .065" wide grooves of diameter 1.33". Recessed section also has two holes.10 inch diameter, countersink diametrically opposed to each other. Item is hydrotected. Competent technical staff is required and is difficult to manufacture to applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-55. Ammunition, Item—launcher.

APPI No. AP-55. Ammunition item—launcher, rocket, 66mm, M72, 34-1/4" long x approx 4"D consisting of approx 170 components. Inner tube 14" x 2.645" to 2.784" O.D., approx .050" wall; material aluminum alloy extruded, 6061-T6 Spec ASTM B 221. Firing pin housing assembly approx 4" L x .76" D at forward end and 1.14" D at rear end; material aluminum die cast, composition 11, Spec QQ-A-591; outer tube approx 24" .L x 2.67" D x .052" wall thickness; material, filament wound epoxy tubing. Requires highly competent technical staff and is extremely difficult to manufacture per applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-56. Ammunition Item—Mins AT

APPI No. AP-56. Ammunition Item—Mine. AT XM24E1, consists of firing device, DEMO, XM61, rocket launcher assy, XM143 & cable assy, vehicle detector; fundamentally it is a complex electronechanical device. Requires highly competent technical staff and is extremely difficult to manufacture to applicable specifications. Confidential clearance is required to receive APPI. AP-USAMUCOM.

APPI No. AV-37. Generator, Direct Current. Type GEU-5A in accordance with Mil Spec MIL-G-6162 dtd 23 June 1950 with Amendment 2 dtd 7 Jan 1960. FSN 6115-725-1790. This item is on QPL No. 6162. Suppliers contact Wright Air Development Division, Wright-Patterson Air Force Base, Ohio to have their product tested and quali-

fied prior to solicitation of future requirements by command. No clearance required to obtain the I. USAAVCOM.

APPI. USAAVCOM.

APPI No. AV-38. Indicator, Pressure. Type MO-3 in accordance with MIL-I-25578. Appl., Engine Ingine Instrument, Alreraft. FSN 6628-531-22681 This item is on QPL No. 25578. Suppliers contact Wright Air Development Division, Wright-Patterson Air Force Base, Ohio to have their product tested and qualified prior to solicitation of future requirements by this command. No clearance required to obtain the APPI. USAAVCOM.

APPI NO. AV-39. Transpitter. Pressure. Electrical

APPI No. AV-39. Transmitter, Pressure. Electrical Data, 26V AC, 400 Cps; Connection Oata, electrical connections 1/4 pln contacts, AN 3102-145-2P, other than electrical connections 2 7/16-20 NF, internal tube connections, actuated by diaphragm, 0 lbs to 50 lbs psi measurement range, o/a dim might as per MiLT-5882A, Spec Oata, MiL-T-5882A, Amend 2, Standard Data, MS 28005-1; FSN 6620-553-8988. Appl., Pressure, Fuel, Water, Oil, Engine. No clearance required to obtain the APPI. USAAVCOM.

APPI No. AV-40. Axle, Skid Landing Gear Wheel, Appl. OH-23 Rotary Wing Alrcraft, Dwg 1560-0H23-007D5070-23 Code 81996, FSN 1560-609-7969, This procurement will be a 100% small bustness set aside, No cleanance required to obtain the APPI, USAAVCOM.

APPI. USAAVCOM.

APPI No. AV-41. Leg Assembly, Skid Landing Gear, Appl: OH-23 Rotary Wing Aircraft. Dwgs 1560-0H23-38735070-1. Code 81996. FSN 1560-320-5064. No clearance required to obtain the APPI. USAAVCOM.

APPI No. EL-45. Charger, Battery PP-1659/G is a general purpose charger for lead-acid storage batterles. Contained in a perforated metal case, approximate dimensions 11.75x11x12 inches. Silicon type rectifiers; 105 v charging; 12 amp continuous charging; alternate operating requirement: 115 vac. 60 cps, i ph; 230 vac, 50 cps; i phase. Mil. Spec. Confidential clearance required to obtain APPI. USAECOM.

APPI No. EL-45. Test Set. Battery AN/PSM-

USAECOM.

APPI No. EL-45, Test Set, Battery AN/PSM-13() is used in testing Battery, Ory BA-270()/U and Battery, Dry BA-279()/U. Hand held, single meter, marked good/bad, approximate dimensions 7x2.75x4 inches. Consists of Test Set, Battery TS-1301()/PSM; Bag, Cotton Ouck CW-842()/PSM-13; Adapter, Connector U-241()/PSM-13; Adapter, Connector U-241()/PSM-13; Adapter, Connector U-241()/PSM-13. Weight approx I pound, Confidential dearance required to obtain APPI. USA ECOM.

tial dearance required to obtain APPI. USAECOM.

APPI No. EL-47. Multimeter AN/USM-223() is a lightweight, portable battery-powered multimeter. Utilizes internal battery source consisting of 6 each BA-1312 and 1 each BA-42. Approximate dimensions 5.375x6.25x8.25 inches; plastic case. Has special features to permit safe testing of transistorized circuits. Consists of Cover. Multimeter CW-855/USM223 and Test Lead Set CX-1331()/U. Confidential clearance required to obtain APPI. USAECOM, APPI No. EL-48 Coulds. Assembly Casalog Burnally Casalog Burn

tial clearance required to obtain APPI. USAECOM.

APPI No. EL-48. Cable Assembly, Special Purpose, Electrical CX-1574B/U is part of Handset H-33()/PT and is approximately 5 feet 10 inches long o/a. Has 7-stranded conductors, 2 are 18 AWG and 5 are 24 AWG. Connector, Plug U-11/G on one end; the other has four inches of exposed the ned wire beyond the jacket, MIL Spec item. Confidential clearance is required to obtain APPI. USAECOM. USAECOM.

USAECOM.

APPI No. EL-49. Amplifier, RF is a component of Radio Transmitter Type T-195/GRC-19. Approximate dimensions: 8-5/16x5-11/16x9-1/2 inches. 1.5 to 20 me range; 80 to 125 w power output. Sig Crawing, Confidential clearance is required to obtain APPI. USAECOM.

APPI No. MI-41. Cabié Set intelled Missile System—Cable sets will be a cell for intelled Missile System—Cable sets will be a cell for intelled Missile System—Cable sets will be a cell for intelled Missile System—Cable sets will be a cell for intelled Missile System—Cable sets will be a cell for intelled Missile System—Cable sets will be a cell for intelled Missile System—Cable sets will be a cell for intelled Missile System—Cable Stock Number assigned, 15 so accept to a ford sub-contracting opportunities Confidential clearance required to obtain APPI. USAMICOM.

APPI No. MI-42. Lauricher. Rocket Alreraft, XM-

APPI. USAMICOM.

APPI No. MI-42. Launcher, Rocket Alreraft, XM-158, Consist of seven 2.75" diameter, 54" long, extruded aluminum tubes. The tubes are secured in a cylindrical configuration by means of 2 sets of cast aluminum segments. Each set of segments being held together by 2 steel straps. The electrical system consists of a 26 pin connector with a separate circuit connected to a firing arm on each tube. The weight of the launcher is approximately 45 lbs and is designed to be suspended from a standard 14 inch bomb rack. Federal stock number 1055-912-3039. Actual Procurement may be small business set-aside. No clearance required to obtain APPI. USAMICOM.

APPI No. AT-36. Carrier, Differential Assembly.

APPI No. AT-36, Carrier, Differential Assembly, Steering, W/Pinions and Spindles Assembly, FSN 2520-753-9886. No clearance required to obtain APPI. USATAC.

APPI No. AT-37. Wheel, Steel, Track Idler, FSN 30-856-2299. No clearance required to obtain APPI.

APPI No. AT-38. Engine W/Container for 10 Ton Truck, FSN 2805-066-4464, No clearance required to obtain APPI, USATAC,

quired to obtain APPI. USATAC.

APPI No. AT-39. Coil Boaster, (Engine Starter) Filter Engine Assembly, FSN 2920-565-0785. No clearance required to obtain APPI. USATAC.

APPI No. WE-19. Test Stand (Automotive) Generator and Starter: floor md, 6 to 24 volt range, 500 alp, 100 to 9000 rmp, ac. dc, 22-1/2 hp 330/440 volt, 60 cy, 3 ph.—USAWECOM.

APPI No. WE-20. Test Set, Tachometer—Dweit; O to 1000 rpm tachometer scale range, 20 to 50 deg dwell meter scale range, 9 dia W, 12 o/a H, 15 o/a Lg.—USAWECOM.

APPI No. WE-21. Extractor. Buntured Cartridge

APPI No. WE-21. Extractor, Ruptured Cartridge Case used for 30 cal, 7.62, 40mm, 76mm, 90mm. USAWECOM.

APPI No. WE-22. Borescope M2, A8413849 used in field maintenance inspections of weapons 57mm through 280mm,—USAWECOM.

security clearances required on the above

No security clearances required on the above APPIs.

APPI No. ME-57. Outboard Motor, gasoline, manual rope starting, retracting: 12 Junders, horizontally opposed to the familiar. Both at 4200 rpm: 3 lists in a familiar to be a required and only opposite to the familiar to be a required and only one reverse space for legice steering; 12 to 21 gear ratio; w/carrying chest; FSN 2805-132-9079. USA-MEC.

APPI in the familiar retraction was created w/doilles, 32 tous and the familiar retraction of the famili

wheels, USAMEC.

APPI No. ME 61. Compressor, Reciprocating, Power Driven: designed for air: 2 stage: 2 cylinders, angle or vertical design, single acting: 5 cfm free air actually delivered, 175 ps. 45 lase pressuro: air cooled: water indicated: wair cleanor; w/gasoling name 12 ps. 40 lb. 11 kg ft capacity air receive it kg to a druk number heel, pneumatic tire; 12 lb. 12 lb. 11 kg ft capacity air receive it kg to a druk number heel, pneumatic tire; 13 lb. 15 lb.

APPI No. ME-62. Compressor, Rotary, Power Driven: two impeller type, 21 stage: 60 cfm may rate of free air delivery 6.5 psi discharge pressure above atmospheric: air-cooled: w/gasoline engine, 3 hp. flexible couple drive: wheelbarrow frame mtd 2 wheel, pneumatic tires WV MI Std Engine Model 2A-016; FSN 4310-542-3329. USAMEC.

APPI No. ME.63, Tank, Fabric Collapsible: Water, 1,500 Gal; 7 ft 9 in, dia, 54 in, deep: w/staves, guy ropes, cover and ground cioth: synthetic rubber coated, both sides: FSN 5430.171-4401. USAMEC.

No security clearance needed on the above listed

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated Feb. 1, 1966 page 2 No. PSA 3986 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. EA-23. Cap, inlet valve, C20, Type 11, FSN 4240-893-3697. The cap, inlet valve C20, assembly is designed for use with a molded rubber facepiece (M17 mask) that has a collar with a bead on the outer surface. The inlet valve assembly fits over the connector of the filter element assembly.

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drawn, approximately 23,975 inches long by 5,3302 inche outside diameter at base to 4,121 inch inside inch outside diameter at mouth, wall thlekness varies from 4pd diameter at mouth, wall thlekness varies from 4pd provimately 0.85 inches to 0.59 inches, body tappred provimately 0.85 inches to 0.59 inches, body tappred and necked down, completely heat treated, varying from Rockwell C34 at base section to RB85 inoxifrom Rockwell C34 at base section to RB85 inoxifrom at mouth, material, steel, specification MIL-W.3689, machined primer hole and base, zinc plating with supplementary chromate treatment, application of film of wax emulsion to exterior surface, apecification MIL-W.3688, ballistic testing reculted apecification MIL-W.3688, ballistic testing reculted apecification MIL-W.3688, ballistic testing required for each lot. Manufacturing firms producing this for each lot. Manufacturing firms producing this end will require a highly competent technical staff considers to estimate the considering of the liem. This carridge case is considered very difficult to prophec to obtain APP1. AP-USAMUCOM.

APP1 No. AP-2R1. Revision: Ammunition item—case, carridge, 106 mm, M9681, assembly, 24.0 inches long by 5.148 linches outside diameter at hase. 3 major components, consisting of tube, approximately 23.65 inches long by 4.698 inches outside diameter tapering to 4.32 inches at the mouth, wall thickness varies from 120 inches at base end to 0.78 inches at the mouth, wall thickness varies from 120 inches at base end to 0.78 inches at the mouth, wall thickness considered (submerged or hiert gas shilded) to form tube, Rockwell hardness requirement of C32 minimum at base to B90 minimum at mouth, material, steel, strip, 1030 specification Q0-5.760, tube is copper brazed to head, 5.148 inches diameter by 93 inches long, 8074 lach illameter promer hold and 1-3/8 threaded liller plug hole, annular groove permitted on small outside diameter for brazing ring, material, steel, pon-essilphurized, special bar quality, specification ASTM

COM.

APPI No. AP-4RI, Revision: Ammunition item metal fabrication and explosive loaded. Booster M125A1 mpts w/loaded M17 detonator. Approximately 2" diameter by 2" long. Nine components and 6 subassembles, contains timing components, sear and pinion assembly, escape wheel, pins, totors, springs, etc. Firm will require competent staff of engineers and tool engineers and ability to produce precision parts and precision assemblies by mass production techniques. Also requires lond approval store, handle, load, explosive detonators. Con idered extremely difficult item to produce. No clearance required to obtain APP. AP-USAMU-APPI No. EA2 Presently M66/19.

charance required to obtain APP. AP-USAMU-clearance required to obtain APPI. FA-USAMUCOM.

APPI No. FA-2. Projectile M56E2 for 20mm electric HEI cartifique. It consists of body, rotaliting the same cover is also fabricated the steel is hollow. The base cover is also fabricated from steel and is welded to the body. Secret clearance tequired to obtain APPI. FA-USAMUCOM.

APPI No. FA-33. Fuze M505E3 is used with the tembly, a rotor assembly and a booster holder assembly. The body assembly consists of an aluminum alloy firing pin and a rotor safety spring of cerrosion-resisting steel wire contained in a steel body and covered by a sheel steel cover. The rotor assembly consists of a brass rotor containing the asteel holder housing the booster. Secret clearance APPI No. FA-24. Metallic belt links M12 and in machine guns. The links are made of sleet, meet specific test requirements to assure satisfactory conditions. No clearance required to obtain APPI. FA-USAMUCOM.

APPI No. FA-25. Bandoters M1, M2, XM3 and holding elther linked or clipped 30 cgl. 7.62mm obtain APPI. FA-USAMUCOM.

APPI No. FA-25. Bandoters M1, M2, XM3 and holding elther linked or clipped 30 cgl. 7.62mm obtain APPI. FA-USAMUCOM.

APPI No. AV-42. Spark plug. Electrically shielded resistor type, plathum. In accordance with MII-S-

obtain APPI. FA-USAMUOOM.

APPI No. AV-42, Spark plug. Electrically shielded resistor type, platfaum, in accordance with MIL-S-78869 ide 13 Mar 62 and MIL-S-78869 ide 1-2 did 24 rotary wing Acit. This is a QPL item. Interested quired to obtain APPI. USAAVCOM. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-43, Computer Air navivation. P/N CPU-26A/P. In accordance with MIL-C-3414D did 6505-064-6911. Interested suppliers contact Middle-S05-064-6911. Interested suppliers contact Middle-S05-064-6911. Interested appliers contact Middle-S05-064-6911. Interested Air Force Base, pa., to have their product tested and qualified prior

to salleltation of future requirements by this Command. No elearance required to obtain APPL USA.

AVCOM.

APPI No. AV-44, Generator, direct engrout, solf, excited P/N AN3633. In accordance with MILG. Jan., 61. 15N 6115-818-4184. This item is an OPI. No. 6162. Suppliers contact Bureau of Nuval Weap qualified prior in salicitudian in future requirement by this Commanul, No. clearance requirement tain the APPI. USAAVCOM.

APPI No. AV-45. This subassembly, for fluid rank, main rotor diagnet, CII-34 rolary wing alread, Dwg 1560 C1134-378 5183-3 Code 81996. ESN 1560-574-6394. Nn clearance required in abtain the APPI. USAAVCOM.

APPI No. AV-46. Canony Ass'y, skill gent fluor the APPI. No. AV-46. Canony Ass'y, skill gent fluor.

APPI No. 28. CANCELLATION OF APPI: published previously as APPI No. 28. Elem Monitot, 16. Channel, and Instrumental and Astrably less merce Bush as Disk, and the configuration of the configuration o

APPI No. MI-43. Wiring Harness To 10102456 Sergeam Missile System. Things a malified branched cable harness carrying Critical missile Viring in the northwest gaal and of bog gudated ction of the missile to the missile of high performance in missile flight of the performance in missile flight of the missile state. FSN 1420-560-6540, Procurement may be small business set-aside. No clearance required to receive APPI, USAMICOM.

curement may be small business ser-aside. No clearance required to receive APPI. USAMICOM.

APPI No. MI-44. Wiring Harness OPN 1006153 Sergeant Missile System. This is a multiple pranched cable linrness carrying all critical min rid iring in the northeast quadrant of the missile. It comes to the property of the missile of the property of the missile of the property of the missile of the present of the property of the missile of the present of the prese

riight item at the second of the Arctical sile flight control of the small business set wide. No clearance required to obtain APPI. USAMICOM.

APPI No. AT-40. Shaft, Propeller Assembly, W/Universal FSN 2520-752-1043. No clearance required to obtain APPI. USATAC.

APPI No. AT-41. Sprocket, Drive Track, FSN 2520-293-5136. No clearance required to obtain APPI-USATAC.
APPI No. AT-42. Curtain End, Cargo Body Assembly (Side Vehicular Rear), FSN 2540-741-6339. No Clearance required to obtain APPI. USATAC.
APPI No. AT-43. Pump, W/Filter Assembly, Finel Electric. Engine, FSN 2910-678-1856. No clearance required to obtain APPI. USATAC.
APPI No. WE-23. Gaues headsware and liming

APPI No. WE-23. Gages, headspace and timing, Cal. .50 machine gnn FSN 4933-535-1217. USAWE-COM.

APPI No. WE-24, Regulator Kit, Charging, M2 System FSN 4933-856-5593, USAWECOM, No security elearances required on the above APPIS.

APPI No. ME-64, Water CANCELLED NOV. 1, 1966

APPI No. ME-66. Roller, motorized: gasoline engine driven: landem, 2 roller 50 lb. Steering roll of the pine of the control of

le track frame drawbar, fixed,

power control linii, cable, front, I drunt: FSN 2410-901-5528. USAMEC.

APPI No. 11 Control based notorized diesel engine line in the process of the pull: 12 ft., blade in the pull: 1

APPI No. EL-51. Converter, Telephone Signal CV-1548 (·) G is a solid-state 12-channel signalling device used in terminal stations to provide ring-down and/or supervisory signalling. ECOM Spec. No. FSN. CONFIDENTIAL clearance required to receive APPI. USAECOM.

APPI No. EL-2. Manifelesco TD 202 (A) In the APPI No. EL-2. Manifelesco TD 202 (A) In the APPI No. EL-2. Manifelesco TD 202 (A) In the APPI No. EL-2. Manifelesco TD 202 (A) In the Interest TD 202 (A) Interest

APPI No. EL-52. Multiplexer TD-202 (-)/U combines PCM signals from one or two 12-channel Multiplexer TD-352 (-)/U into one PCM signal for use over Radia Relay systems such as the Radio Set AN/GRC-50. ECOM Spec. Na. FSN. CONFIDENTIAL clearance required to receive APPI. USAFCOM USAECOM.

APPI No. EL-53. Multiplexer TD-203(-)/U combines PCM signals from one or two 48-channel Multiplexer TD-353. (-)/U into one PCM signal for use over Radio Relay Systems. ECOM Spec. No FSN. CONFIDENTIAL clerance required to obtain APPI. USAECOM.

APPI No. EL-54. Multiplexer TD-352 (-)/U is a 12-channel Multiplexer capable of accepting 12 voice signals, samples them, codes signal into binary code, and passes result to Multiplexer TD-202 (-)/U for transmission over radio facilities or to Multiplexer TD-204 (-)/U for transmission over radio facilities or to Multiplexer TD-204 (-)/U for transmission over radio facilities or to Multiplexer TD-204 (-)/U for transmission over cable facilities. ECOM Spec. Na FSN. CONFIDENTIAL clearance required to receive APPI. USAFCOM.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated March 1,1966 page 2 No. PSA 3778 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. AT-44. Converter Assembly, Henter & Exhaust Blower, FSN 2540-040-1976. No elearance required. USATAC.

required. USATAC.

APPI No. AT-45. Generator, Alternating Carrent, 28V, 100 Annp. FSN 2920-314-0556. No clearance required. USATAC.

APPI No. AT-46. Shock Absorber, FSN 2540-690-2756. No clearance required. USATAC.

APPI No. AT-46. Shock Absorber, FSN 2540-690-2756. No clearance required. USATAC.

APPI No. AT-46. Shock Absorber, FSN 2540-690-2756. No clearance required. USATAC.

APPI No. AT-46. Shock Absorber, FSN 2540-690-2756. No clearance required. USATAC.

APPI No. AT-46. Shock Absorber, FSN 2540-690-2756. No clearance required.

bly. FSN USATAC. 2520-040-0317. No clearance

APPI WE-25, Barrel, for Rifle M1, No clearance required. USAWECOM.

required. USAWECOM.

APPI WE-26. Rod, Section Cleaning, Rifle. No clearance required. USAWECOM.

APPI WE-72. The Republic of Mil. No clearance of the Mil. No clearance of

APPI No. MI-47, Hipar Heat Exchangers—NIKE HERCULES—Modification Kits representing numerous items. Synopsized to afford sub-contracting opportunities only as this is a sole source procurement. No Federal Stock Number assigned, No elearance required to obtain APPI. USAMICOM.

required to obtain APPI, USAMICOM.

APPI MI-16, Cancellation of APPI; Published previously as APPI No. 16, Division IAWK Self Propelled Platoon Rough in room interest Wave Acquisition of the Communication of the Communication of the Communication in the Interest of the Communication of the Communicatio

APPI MI-17. Cancellation of APPI; Published previously as APPI No. 17, Olvision HAWK Self Propelled Retrofit for High Power symmination Radar synopsized in the later than 18 has been supported by the Commerce Propelled on request of the Commerce Propelled on the later than the later than the later than the later than the requirement indicated in APPI-17 and AMICOM.

APPI MI-18. Cancellation of APPI—Published

APPI Public.
Log Low Schilled on Hall Command
Command in APPI-178 EAMICOM.

APPI MI-18. Cancellation of APPI Published previously as APPI MI-18. Division WK Scil Propelled Platon. Easing all the fill fleet onfidence Checker synchroling the property of the Commerce Checker synchroling the fill fleet on fill fleet on the fill fleet of the Commerce Checker synchroling the fill fleet on the fill fleet on the fill fleet on the fill fleet of the fill fleet on the fill flee

MFIE. USAMEOFI.

APPI No. AV-57. Tire, Pnenmatic. Aircraft Equipment. Main Wheel Application, Low Pressure Type. 8,50x10, 8 Ply, Type 3, designed for use with separate inner tube, in accordance with MILT-50410 W/Supplement #1 dtd 31 Jul 62, QPL List No. 5041, Latest Revision. FSN 2620-528-8875. No clearance required to receive APPI. USA-4VCOM. AVCOM.

APPI No. AV-58. Parachute, Personnel, Troop Back-Pack. 35 Ft. Dia., Olive Drab, Cotton. This is a QPL item under MiL-P-6645E (USAF). Part of this procurement will be set aside for Small Business and Labor Surplus Area concerns. FSN 1670-753-3727. No clearance required to receive APPI. USAAVCOM.

APPI. USAAVCOM.

APPI No. AV-59. Jack, Hydranile Tripod. 10 Ton Rate Capacity, 36 In. Low H., 26 In. Hydranile Lift w/Screw Extension 18 In. H. w/Leg Extensions, 4 Sets, 152 In. Max. Extended II., Remuvable Pump, w/Pump. In accordance with MIL-J-7400A [USAF] Type B-6, and USAF Drawing 50 J25178. FSN 1730-516-2019. This will probably be a Small Business Set Aside. No clearance required to receive APPI. USAAVCOM.

APPI, USAAVCOM.

APPI No. AV-60. Bushing, Sleeve. Style 6A, Sect. B, Rockwell Hardne a not rited, Dlm. ,4392 In. max., 4385 in. min., IO. 6266 in. max., ,6261 In. min. OO. ,572 in. o/a lg. ,322 in. max., ,802 in. min. OO. Flange, 126 In. max., ,124 in. min. w/Flange, Corners Sect. A, Rdg 191, Ontside Left Corner, Shape Chamfered, 1/16 In. 45 deg, Oitside Right Corner of Body, Shape Chamfered, 45 deg. Flange Body Corner, Shape Romd, Surfaces, Sect. B, Rdg 191, IO and OO surface of body, 63 microinches AA, left end surface of body and flange, right end surface of left flange, OD surface of flange, right end surface of body, 125 microinches AA. Appl., Rotary Wing Head, Hellcopter. FSN 1615-846-9308. This Item Is a first time breakout. No clearance required to obtain APPI. USAAV-COM.

APPI No. AV-61, Brace, Skid Gear, Rear-Center.

APPI No. AV-61. Brace, Skid Gear, Rear-Center. Application, OH-23 Helicopter. In accordance with Drawing No. 1560-H23-326D. FSN 1560-593-9089, No elearance required to obtain APPI.USAAVCOM.

APPI No. AV-62. Rack, Bomb, Alreralt. Designed for Bomb Projectiles, Electric releasing control, 2-point suspension, hook suspension, 1 projectile accommodated, 38,000 lb, ultimate load capacity, 30,000 lb load electrical release load capacity; electrically operated DC, 18 to 28V; o/a dlm, 17-3/32 ln, lg, 1-13/32 in, w, 3-11/16 ln, h, ntg, 2 holes 376 in dla in accordance with MLL R-9409B, Type MA-4A and Dwg No. 5534312, FSN 1095-141-9328, No clearance required to obtain APPI, USAAV. COM.

COM.

APPI No. AV-63, Indicator, Torque Meter, Engine, Dial Application, CH-47 Alreralt, In accordance with MIL-1-27683, FSN 6620-959-6603, No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-64, Tank Assembly, Fuel, Appi., CH-47 Rotary Wing Acft. U. S. Rubber Co. Part No. FRC 46853 or Boeing/Vertol P/N 114 PS 420-43 or equal. FSN 1560-018-0096, Interested firms submit data sufficient for determination of equality to USAAVCOM, Aun: SMOSM-PACRC att 31 Mur 66, No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-65, Resistor, Viriable, Linear, Pre-

AVCOM.

APPI No. AV-65. Resistor, Variable, Linear, Precision. Application, CH-47. Rotary Wing Actt. Boeing/Vertol P/N 114ES205-1 or Humphrey Inc. P/N RP670101-1, or Bourns Lab. Inc. P/N 109224-941-141 or equal. FSN 5905-901-5273. Interested firms submit data sufficient for determination of equality to USAAVCOM, Attn: SMOSM-PACRC mit. 31. Mar. 66. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-66. Heater Package. Aircraft. Appl.

APPI. USAAVCUM,
APPI No. AV-66. Heater Package, Aircraft. Application CH-47 Rotary Wing Acit. Janitroi Acit. Co. P/N 65C30 or equal. Interested firms submit data sufficient for determination of equality to USAAVCOM, Atin: SMOSM-PACRC nit 31 Mar 66. FSN 1680-895-9319. No clearance required to obtain the APPI. USAAVCOM.

APPI. UDAAVCUM.

APPI Nn, AV-67, Fan Assembly, Transmission Oil. Application, CH-47 Rotary Wing Acft. Boeing/Vertol P/N 114D\$450-2 or Joy Mfg. Co. P/N X702-3828 or equial. Interested firms should smbmit ratus silicient for determination of equality to USA-AVCOM, Attn: SMOSM-PACRC nlt 31 Mar 6, FSN 1560-472-7291. No clearance required to obtain APPI. USAAVCOM.

APPI. USAAVCOM.

APPI No. AV-68, Motor, Hydraulic, Variable Displacement, 3,860 RPM, 3,000 PSI. Application, CII-47 Rotury Wing Act. Sperry Rand Part Number NF36-3909-3022 or equal, interested firms should submit data sufficient for determination of equality to USAAVCOM, Atm: SMOSM-PACRC nht 31 Mar 66, No clearance required to obtain APPI. FSN 1650-756-1046. USAAVCOM.

APPI No. AV-69, Indicator, Temperature, Oil Drive System. Application, CH-47 Rotary Wing Act. Simmons Acrocessories Inc. P/N 321001-03019 or equal. FSN 6695-232-9046. Interested firms should submit data sufficient for determination of equally to USAAVCOM, Atm. SMOSM-PACRC nit 31 Mar. 666, No clearance required to obtain APPI. USAAVCOM.

APPL No. AV-70. Valve, Gate, Africaft, Appl., CH47 RW Acft. Boeing-Vertol P/N H4PS401-1 or Gen Control P/N AV1B-1568D or equal. FSN 245-737-2548. Interested firms should submit data submitted for determination of equality to USA-AVCOM, Attn: SMOSM PACRC nlt 31 Mar 66. No charance required to obtain the APPL USA-AVCOM.

APPI No. EA.44. Outsett eyelens, MI, FSN 4240-67-67-77. The outsett lens are one size and shape, but notivert consists of a played lens seated in a soft subber agrout that his closely over the eyering, A merid run in crimped around the rubber agrout to hold the lense in place over spenings molded in a subber face blank fMI? masks Lenses, eye-tings, and outsetts are shaped and contoured to give the weaver of the mask a sade unobstituted field of vision. No security cleatance required to obtain APPI. FA USAMUCOM. VEIOR NO SECURIO Clea APPE FA USAMUCOM

APPL FA USAMUCOM

APPL No. AP-61. Animamition Item—Projectile

4MM praince M4-631 three components agive
ball and skirt Once parabola shape 1.51" ID at

the 1.25" length x 62-1" minimum thickness
adminimum alloy sheet and plate 1166-0 specification

AVIM Blow promotile 1 mish per MIL-510-171 re
gored Sylemid hall 11" OD x 1.550" light with
constructed three properties dempound. Approved

tomores of supply A Fiberite Corp. Window, Minn.;

B. Ploylos Ingularing Co., Sheboysan, Wisci, C.

Dang Flastos Dec. Hower Chem. Co., N. Tona
winder N. E., D. Pleining Arienal approximately 162"

OH x 1.30" ID x 1.5" larg alaminum tubing alloy

466-14 on 1004 to per 13" et a regulation ASTM-

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APPI No. AP-82. Administration Item—Projectife 87 Hi Mis.5 processes to also approximately 32 lich length by 8 in 6 Jameter one proceedings assembly advantable to trave compressions to the copper rotating band and trave compressions to the copper rotating band and trave compressions to the process material spectual of the process material spectual of street ANIM-A 174 or MH-S to 520 Retained from a president ANIM-A 174 or MH-S to 520 Retained from a president ANIM-A 174 or MH-S to 520 Retained from the material street ANIM-A 174 or the process material spectual from which a procession within a proposition of street is considered very difficult to interest of the street is considered very difficult to interest and the spectual of the december of the process of the street is considered very difficult to interest of the street is considered very difficult to interest of the spectual of the street is considered very difficult to the spectual of the street is considered very difficult to the street is considered very difficult to the street is spectual to the spectual of the street is considered to the spectual of the street is considered to the spectual of the street is considered to the spectual of the spec

overed out part of The deem is scientified very difficult to attack rithe in accordance with applicable to attack rithe in accordance with applicable to attack rithe space required to teceive APPL AP & SAMPCOM.

APPL NO AP 63. And mattern from Projectife Pf 1974M Abital MPTs Assemble is 15 077 long 8 5 6 10. On the 14 2 100 and 1 sub-assembly do and hand on the 1607 I to 5 6 9 II bridge 1 distributed on the 1607 I to 5 6 9 II bridge 1 distributed on the 1607 I to 5 6 9 II bridge 1 distributed on the 1607 I to 5 6 9 II bridge 1 distributed on the 1607 I to 5 6 9 II bridge 1 distributed on the 1607 I to 5 6 9 II bridge 1 distributed on the 1607 I to 5 6 9 II bridge 1 distributed on the 1607 I to 160

APPL AG. APP-68. Ammunition Item—Projectile
MM HLAT MP Vilabell consists of eight
is imporent; though 500 inch diameter by 10
to imporent; though 500 inch diameter by 7.87
to deep smaller base 2.375 inch diameter by 5.74
it is increased to inche diameter by 5.74
it is increased to inche diameter by 6.76
to increase 1.10 inche diameter by 6.76
to increase 1.10 inche diameter on outside statel, finance 3.351 152100 steel 1.00 percent in cathon. Ring locking 5.5 inch diameter by
4.7 inch inside diameter. Threadsteel tubing FS-

ica act. 1 Windskield 5.99 inch diameter tapered for pproximately 2 inch diameter at small end by 5.5 inch long with approximately 3.16 inch wall this ness material steel. Cap, windshield 2.26 inch diameter tapered in 4.123 inch opposite end by 1.947 length counterbases in inside diameter, material aluminum alloy 1033.15 specification QQ-A-27 lone smooth 60 degree approximately 5.4 inch diameter by 3.75 inch wall thickness by 4.421 inch length

copper sheet specification QQ-C-5/b, rotating bandblank 6.033 inch inside diameter by 828 inch length with .252 inch thick wall. Materiel, sintered from the specification MIL-R-11073. Ring, locking, 0.85 inch diameter by .31 inch length by 3.25 inch inside diameter threaded inside. Material, aluminum alloy 2024-T4 tubing specification WW-T-785 spacer 2.375 inch diameter by .36 thick threaded outlside diameter, material aluminum alloy 7075-T6 specification QQ-A-277. Complete assembly also consists of smaller components. Dummy fuze, insulators wire and eyelet to produce to meet applicable specifications. Confidential clearance required to receive APPI. AP-USAMUCOM.

APPI. AP-03AM0Com.

APPI No. AP-65, Ammunition Item—Case cartidge combustible 152MM XM157, parts for consisting of (1) body and (2) base. Both parts are made of a rigid, molded composition consisting of

made of a rigid, molded composition consisting of nitrocellulose, kraft (sulfate) woodpulp cellulose and resin with physical property requirements as indicated in specification PA-PD -2616 W/EO 38602-S. Bady is of cylindrical, expanding, tapered shape of 125 inch wall thickness from an open end of 5.9 inches O.D. to 6.45 inches with subsequent step down curvature to an opening of 3.265 inches. Base is of cylindrical, flat, dish shape with slight base curvature and .175 inch wall thickness with .68 inch side wall height with an internal center hollow hub of .712 inch 1.D. and .96 inch high opening, with .40 inch hole in top of hub. Firms bidding on this item should have a technical staff familiar with molded kraft fiber and explosive processing. This item is not considered difficult to manufacture to applicable specifications. No clearance required to receive APPI. AP-USANUCOM.

receive APPI. AP-USAMUCOM.

APPI No. AP-66. Ammunition Item—Mine AT, XM14E1, this item essentially consists of the firing device, demulition, XM61, rocket fauncher assembly, XM143 and the cable assembly vehicle detector, fundamentally, the complete assembly is a complex electromechanic device. Major assembly drawings for these basic units which are part of the complete XM24E1 end item are classified confidential. No clearance required to receive APPI. AP-USAMUCOM. USAMUCOM.

APPI No. FA-26. Bandoleer M1 for Caliber .30 Carbine, cloth olive drab, sewn, 6 pocket will web strap or cloth. No clearance required to obtain APPI. FA-USAMUCOM.

APPI No. FA-27. Clip 10 round for Caliber 30 Carbine, consisting of steel shoe, contoured lempered steel body, assembled with Cartridge brass spring. No clearance required to obtain APPI. FA-USAMUCOM.

APPI No. ME-70. Crusher, jaw-type, 15 ton per hour, 24 in. min. width 14 in. min. jaw opening, 1-1/2" product size, single-pass gasoline engine driven, air transportable, mounted on a 2 axle, single-tire, wagon-type trailer, in accordance with Military Specification MIL-C-13522B(MO) dated 19 November 1963, PSN 3820-289-9190. No clearance required. USAMEC

required. USAMEC.

APPI No. ME-71. Air conditioner, base mounting; monachlorodifluoromethane; closed type compresser; air-colled condenser; electric-motor powered, 208 Volt. 3 phase, 60-cycle, alternating current; cocling capacity 36,000 BTU per hr; w/accessories, in accordance with Military Specifications MIL-A-52425(MO) Class 2 dated 13 May 1965; FSN 4120-902-2543. No clearance required. USAMEC.

APPI No. ME-71. Generator set gaseline engine.

APPI No. ME-72. Generator set, gasoline engine; 10 KW, alternating current, 120/208 V, 400 cycle; air cooled; slide rail-mounted for pershing missile system in accordance with purchase description, dated 1 October 1962; FSN 6115-840-6577, No clearance required. USAMEC.

APPI No. ME-73. Generally et a soline engine; 10 KW, alternative vert. 48 accest factor, 120V, single part 22 to a second, 200 L44V, single phase, 3 wire service. 400 to a second of the second of th

APPI to syring required a primary APPI A ME-21 driven, 1.5 KW, di

ME-Ri. Generald sk. kappline engine
ME-Ri. Generald sk. kappline engine
W. ding & reit, 28 v. 2 dire service;
W. ding & reit, 28 v. 2 dire skiddirection and skidd air cooled shock me

ME-6Ri. Carter had motorized; iver 152 0 b program at blade; real indicator, secrebe; leaning still the Lillery Schriftellon MIL-APPI No. M diesel enging de 12 ft blade for v front wheels w G0804C type clearance recorr

APPI No. ME-TRI. Crapes hevel delle unit, truck mounted; 20 temp to 12/2/0 rt. bossis at 10 fl. radius, 3/2 unit, delle changes, passime given; 6x6. Military Sector to the HUC-10486, type A. Class I; FSN 38103 (1995) by January Tequired. USA-MEC.

APPI No. ME-17R1. Generator set, gasoline enme driven, 3 KW, alternating current, 0.8 power
coor, 1. , 2 w case 3 wire
ngle ph
pervice, 1. , 60 cycle
ular frame;
(id-shoe, pecificant of 11L-G-52367A(MO) type 1, dated 1
ovember 1965; FSN 6115-017-8237. No clearance
soulired. USAMEC. actor, service operation skid-shod Specificant November 1965; FS

required. USAMEC.

APPI No. ME-18R1. Truck firefighting; pumper, form and water extinguishing agents, 500 GPM Centrifugal pump, midship mounted power take-off diven; 400 Gal. water; 40 Gal. foam chemical tank; 2.1/2 ton, 6x6, 154 in. wheel bace; closed conventional cab, multifuel engine driven; M45-A2 chassls; manual transmission, 5 forward, 1 reverse speed, class 530B; gloss red, shade 11136, MIL-T-704; 18,000 to 21,000 gloss vehicular weight in accordance with Military Specification MIL-T-0011407E dated 16 July 1965; FSN 4210-225-9126. No clearance required. USAMEC.

APPI No. ME-26R1 Ponton deal balf continued.

required. USAMEC.

APPI No. ME-26R1. Ponlon and half section, aluminum hull part drived 11 in the long 6 ft. 8-1/2 in the long for the long in the lon

### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of dated April 5,1966 page 2, No. PSA 3905 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column I first three paragraphs.

APPI No. ME-75. Welding Machine, Arc: Transformer, 230 v, 460 v, single pluse, 60 cycle; single operator; remote control; 300 Amp; AC, DC Arc; base mounted; 15 Amp at 10 v min, 375 Amp at 35 v max current in accordance with MIL-W-80027; FSN 3431-620-5999. No clearance required to receive APPI. USAMEC.

APPI. USAMEC.

APPI No. ME-76. Generating & Charging Plant, oxygen-nitrogen, semitrailer mounted; van type body and dolly; 1,100 cm. ft. per hr (CFH) gaseous oxygen, 450 cm. ft. per hr (CFH) gaseous nitrogen, 83 pointed per hr. (lb/ltr/ liquid oxygen, or 25 pointed per hr (lb/ltr/ liquid oxygen, or 25 pointed per lir (lb/hr) liquid nitrogen, electric motor driven compressor, AC 208/220, 416/440 v, 3 phase, 60 cycle in accordance with MIL-G-003204 A (CH); FSN 3655-293-4107. No clearance required to receive APPI. USAMEC.

APPI No. ME-77. Hammer, pile driver, self-

APPI. USAMEC.

APPI No. ME-77. Hammer, plle driver, self-powered; 8100 max. ft. lb. of energy per lilow at 40 blows/min, 8-3/4 in. wldth jaws, 20-7/8 in. dit-tance between jaws, diesel engine driven, size A, in accordance with MIL-H-21103B (1); FSN 3895-542-5797. No clearance required to receive APPI. USAMEC.

APPI No. ME-78: Air Conditioner, floor mtg; it scaled dishlected fluorestifens and financial state.

USAMEC.

APPI No. ME-78: Air Coudlitioner, floor mig; air cooled, dichlorodifinoromethane refrigerant; electric motor driven, 8.4 HP, AC. 208 v. 3 plasse, 400 cycle; 38,000 BTU cooling and 35,800 BTU heating per hr; winterized, in accordance with specification MIL-A-52304(MO); FSN 4120-088-4050. No clearance required to receive APPI.—USAMEC.

APPI No. ME-79. Air Conditioner, floor nitg; air cooled; dichloroillfluoromethane refrigerant; electric motor driven, 13 HP, 300 CFM, AC, 208 v, 3 phase, 400 cycle; 50,000 0TU cooling and 35,800 0TU heating per hr, in accordance with M1L-A-52337(MO); FSN 4120-951-9288. No clearance required to receive APP1. USAMEC.

APPI No. ME-80. Compressor, reciprocating, power driven; 2 cylinder horizoptal design, single acting, 15 CFM free air actually the red, 175 psi; air cooled; 21 are 16 migoager 4 / air cleaner; w/gasoline tag et al. driver, 22 cm a. air receiver tank; 15 me from the driver, 25 ft. 1g, FSN 4310-873-1767, and (1) we inflator attachment for std and large bore valves, FSN 4910-204-2644; winterized in accordance with ML-C-13874(2); FSN 4310-752-9634, No clearance required to receive APP1. USAMEC.

APPI No. ME-81. Pump, centrifugal; radial flow, self-printing, fresh water, 65 GPM max rated capacity at 3600 RPM, 10 ft. suction lift; 50 ft. rated total dynamic head; Itorizontal design, one (1) impeller, single stage, single suction, CW rotation, frame mtd, 1-1/2 in. inlet, 1-1/2 in. ontlet, type 11, 1-1/2 HP MII sld gasoline engine (1A08) in accordance with MIL-P-14514A (2); FSN 4320-542-3346. No clearance required to receive APPI. USAMEC

APPI No. ME-82. Pump, centrifugal; radial flow; self-priming; 125 GPM, max rated capacity at 3600 RPM and 10 ft. suction lift; 50 ft. rated total dynamic head; horizontal design with one (1) impeller, single stage, single suction and CW rotation; one (1) inlet connection, Thd. Type 2 in. Npt size; one (1) outlet connection, Tld. Type, 2 in. Npt size; frame intd; 3 HP mil std gasoline engine in accordance w/MIL-P-52109B; FSN 4320-542-3347. No clearance required to receive APPI. USAMEC.

APPI No. ME-83. Generator Set, diesel engine, 150 KW, AC, 0.8 power factor, 120/128 v, 3 phase, 4 wire service, 60 cycle; liquid cooled, skid mtd; open; 1200 RPM; w/remote control pane; radiator separately located; 15% overload capability; precise power, in accordance with specification MIL-G-52422(MO); FSN 6115-752-2089. No ciearance 1equired to receive APPI. USAMEC.

APPI No. ME-111 LEV 114.

appl No. ME-181 BLV SIG Aundry Unit, trailer mounted to receive APPI. USAMEC.

APPI No. ME-181 BLV SIG Aundry Unit, trailer mounted to receive APPI. Usamed to receive APPI. U

to obtain APPI. EA-USOMUCOM.

APPI No. AP-67. Ammunition Item—Cartridge HE M374, Mpts for 81MM Mortar Body Assembly, 10,403 inches maximum length by 3.184 inches outside diameter consists of /4/ components parts, body, 9.50 inches long by 3.182 inches diameter near center tapered to 2.38 inches diameter at front end and 1.835 inches at rear end with varying thickness from 1.85 inches to .25 inches, nose thread 2.00-12NS-1Bs, end bore to 1.62 inches for brazed in adapter, material pearlitic malleable iron grad 50007, Specification MIL-C-46971 physical properties yield strength 50,000 PSI mlnimum, .1 percent off-set elongation—7 percent

MIL-C-46971 physical properties yield strength 50,000 PSI minimum, .1 percent off-set elongation-7 percent minimum adapter, base, 1.26 inches long by 1.800 Inches maximum diameter, one end threaded 1-1/8-18NEF-2A, material, carbon steel, special bar quaity. ASTM Specification A107, or A108 applies, alternate material, pearlitic malleable Iron, Grade 50007, Specification MIL-C-46971, physical properties, yield strength 40,000 PIS minimum, .1 percent offset, 10 percent minimum elongation, mechanical property requirements of MIL-C-46971 apply for alternate material, cover, base, 1.02 inch diameter by .0209 inch thick, material, cold rolled earbon steel strlp, temper number 4, ASTM Specification A109 applies. Adapter, base is brazed 360 degrees to withstand 5000 PSI hydrostatic test and 150 pound PSI air test. BOD requires 100 percent nitrasonle inspection and magnaglo. Band obturating, 3,500 inch diameter by .187 inches thick, material, pipe, plastle, Specification PA-PD-2521, body assembly prior to assembly of band, obturating requires phosphate coat and paint. Manufacturing frams bidding this item will require a highly competent staff of Engineers, Metallurgists, Chemists and Tool Design Engineers to design, fabricate and maintain precision tools required for mass production of this item. This item is considered very difficult to produce to applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-68, Ammunition Item—Projectiic, body and ban assembly. WP. M375 81MM Acapitet.

applicable specifications. No clearance required to receive APP1. AP-USAMUCOM.

APP1 No. AP-68. Ammunition Item—Projectiie, body and ban assembly, WP, M375, 81MM consisting of two components: Body, 10 inches long, varying in outside diamets from 2.595 inches at nose to 3.115 inches on bourrelet to 1.705 inches at nose to 3.115 inches an bourrelet to 1.705 inches at the base, varying wall thickness .235 inches on bourralet, 20 inches at mid-section, .185 inches at ASE section, machined internally in nose section to accept press, fit burster easing, threaded externally at base to accept fin assembly, outside diameter of body grooved 360 degrees to accept obturating band material, steel, non-resulphurized, carbon bar, hot-rolled, special quality, ASTM Specification A107 alternate material, steel, non-resulphurized, Specification MIL-S-11310, yield strength 60000 PSI, 1 percent offset, 12 percent clongation. An obturating band 3.500 Inch outside diameter by .187 inches thick, Inside diameter 2.895 inches, six 60 degree by .037 inches deep grooves equally spaced inside of band, material, pipe, plastic, Specification PAD-2521. Firms bidding this Item must have qualified Metallurgists, Chemists and Tool Designers to fabricate this Item in accordance with applicable specifications. No clearance required to obtain APPI. AP-USAMUCOM. specifications. No clear APPI. AP-USAMUCOM.

APPI No. AP-69. Ammunition Item - Projectile, TP-T, M489 105MM Assembly, 25.88 inches long by 4.13 inch diameter and consists of /8/ components, body, 8.09 inches long by 4.128 inch diameter by 3.052 inch inside diameter with inside threads both ends, material, steel earbon, semifinished, ASTM-A273-58T or special bar quality

ASTM-A107 or steel tubing, seamless, Specification QQ-T-830. Base, 9.33 inches long by 4.111 inch diameter tapered to 1.44 inch thread both ends on outside diameter, material, aluminum alloy, forging ASTM-B247 or ASTM-B211 or B221. Spike, 7.610 inches long by 4.111 inch diameter head section, stem section, 1.322 inch diameter tapered to 1.2 inch diameter 6 inches long, thread on both ends of diameter, material, aluminum alloy forging ASTM-B 247 or B211 or B221. Fin, 3.69 inches longs by 4.083 inch diameter fof webs with "T" shape lugs, inside threads both ends, center section 96 inches diameter, material, aluminum alloy extrustion ASTM-B221. Obturator, 29 inch diameter by 3.591 inch ameter, material, aluminum alloy extrustion ASTM-B221. Obturator, 29 inch diameter by 3.591 inch inside diameter by .706 inches long, material centrifugality cast clear tubing, product of Polymer Corporation, Reading, Pa. or product of National Vulcanized Fiber Company, Wilmington, Delaware. Tubing to be made from Zytel 101 or 42, product of E. I. du Pont de Nemours Co., Wilmington, Delaware. Cup nose flanges, 1.57 inch diameter by .125 inches thick, body diameter, 1.17 inch by .67 inches long 3/4 inch 16 thread by 5/8 inches deep, material, aluminum ASTM-B211 or B221. Plug, 7/8 inch diameter by .34 inches long by 5/16 inch bore, material, aluminum alloy, ASTM-B211 or B221. Disc. 435 inch diameter by .004 inches thick, material. brass strip alloy NBR 6, ASTM-B316. Assembled projectites palletlzed for shipment. Manufacturing firms bidding this item will require a highly competent technical staff of Englacers, Metallurgists, Chemists, Tool Engineers for mass production of this item. This item is considered difficult to produce. No clearance required to obtain APPI. AP-USAMUCOM.

AP-USAMUCOM.

APPI No. AP-70. Ammunition Item—Projectile Assembly for Cartridge, 40MM, practice, M385, consists of body and hlank band, Body is approximately 3.164 inches long X 1.602 inches diameter with boat tail shape base and rounded OSE with band seating groove approximately .364 inches wide. Material. aiuminum alloy bar 2024, T351-ASTM B211-63, protective finish No. 722 of MIL-STD-171 Blue No. 35109 approximately of Fed Std-595, Blank band is tubing, copper, seamless, specification WW-T-797. Band is approximately 3.65 inches long X ID 1.56 linehes .072 inches wall thickness. Blank band is to be swaged to body and two grooves machined around the band. No clearance required to receive APPI. AP-USAMUCOM.

required to receive APPI. AP-USAMUCOM.

APPI No. AP-71. AmnunItion Item—Projectile, 40MM, M384, MPTS. body assembly, 40MM, M384, MPTS, consists of body and blank band. Body is approximately 1.855 inches long X 1.558 inches maximum diameter. Body is boat tail with knurled groove, .366 inches wide around body approximately .674 inches from mouth of body. Boat tail base and slide walls are approximately .107 inches thick. Body has inside threads 1-15/32 - 24NS - 2B at top. Internation base surface deeply embossed with a radial cart wheel configuration. Body is to he impact extrustion material 1630 steel ASTM 107-61T special drawn from plate material, 1030 steel plate, specification QQ-5-700B. Blank band is tubing copper voanitess, Specification Wy-T-797, .365 inches long X 10 1.56 inches and .072 Inches wall thickness. Sand blank is to be swaged to band seat of body and two grooves machines in band and one groove machined in body rearward of the band. Body assembly to be phosphate coated and palnted olive drab. The item is considered difficult to manufacture to drawing and specification requirements, CON-FIDENTIAL clearance is required to receive this APPI No. EA-26. Hood, Field, Projective Mask

APP. AP-USAMUCOM.

APPI No. EA-26. Hood, Field, Projective Mask M6A2 FSN 4240-999-0420. The projective mask hood M6A2 Is made of Butyl-Rubber Coated Nylon Cioth with a Frontal Zipper Closure and 4 openings in the front of the hood which fit around the clelens frame, the inlet valve assemblies and voice-mitter-outlet valve assembly of a protective mask. The manufacturing of the hood requires considerable technical and quality workmanship especially in the area of the Butyl-Rubber Coated Nylon Material and the sewing and stitching of this material into a hood. Proposed procurement will be under a 100 percent small business set-aside. No Security Clean and Capping and Stitching of this material into a hood. Proposed procurement will be under a 100 percent small business set-aside. No Security Clean ance required to obtain APPI. EA-USAMUCOM. quality. Alternale method of manufacture to be

APPI No. AV-71. Altimeter and case assembly, portable. In accordance with TMC drawing 6610E G000. REVISION B. This Item is on QPL No. 6863-4. FSN 6610-772-0507. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-72. The, pneumatic. Aircraft Equipment, Main wheel application, low pressure type 11.00 x 12 size designation, 8 ply rating, nylon cord, ribbed tread pattern, quantity of ribs not required, designed for use W/O inner tube, open base, MILT-5041, Type 3. QPL No. 5041. FSN 2620-752-8651. No clearance required to obtain APPI. USAAV.

APPI No. AV-73, Preofler, pickler, Multi-purpose, 28V DC, complete Wigun assembly and accessories. In accordance with MILP-58050, Type 1. Procurement will be 100% small business set aside. FSN 4920-769-3376. No clearance required to obtain APPI USAAVCOM.

APPI No. AV-74. Tire, pneumatic. Aircraft Equipment, nose wheel application, low pressure type, 7.50 x 10 size designation, 6 ply rating, nylon cord, ribbed tread, 7 ribs, designed for use W/O inner tube, open base, MIL-C-5041B, type 3. QPL No. 5041. FSN 2620-752-8650. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-75. Maintenance platform, adjustable, manual, 2 ft. 3 in. to 4 ft. working level H range, pitatform floor, 2 working platforms, magnesium plated, 2 wheels, W/O locks, Max O/A dim. 105 in. LG, 32 3/4 in. W. 54 in. H. MIL-M-58010 (TC). Procurement will be 100% small businesset aside. FSN 1730-624-0684. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-76. Plate. clamp assembly. auxilitiary

APPI No. AV-76. Plate, clamp assembly, auxilliary firewall support. P/N 1560 CV2-319-1. In accord, with TMC drawing, same number. APPL, CV-2 Aircraft. FSN 1560-856-2869. No clearance required for APPI. USAAVCOM.

APPI, USAAVCON.

APPI No. AV-77. Tail pipe, engine exhaust ass'y.
in accordance with procurement package No. 204060-302 dtd 10 Sept., '64. APPL., UH-1 Aircraft.
FSN 2990-767-9212. No clearance required to obtain
APPI, US/AVCOM.

APPI. US/AVCOM.

APPI No. AV-78. Indicator, pressure. Dial, 1.
Torque pressure scale, O PSI to 50 PSI, i PSI graduated increments, finish of graduations, finorescent letters numerals and lined increments pointer data, clock hand type, fluorescent illuminated, incaseil W/O Instrument iamp socket, electrical data, 26V AC, 400 cycles, single phase, connection data, electrical, 1, 3-PIN contacts, and 100660-10SL-3P. O/A dim. 2 5/8 in. L., 2 ln. dia., clamp mig., MIL-1-25578, Type MO-3. Appi., Engine instrument, Alteraft FSN 6620-581-2268. No elearance required for APPI. USAAVCOM.

APPI No. AV-79. Indicator. Ilouid atv. Dial. 1

APPI. USAAVCOM.

APPI No. AV-79. Indicator, liquid qty. Dial, 1 scale fuel quantity, 0 lbs to 4500 ibs., 160 ib graduated increments, finish of graduations, fluoresce letters, numerals and lined increments, clock-h pointer, fluorescent illuminated, incased, W/O striment lamp socket, DC Electrical connections 4-Pin contacts, Bentitx Aviation Corp., part No. 1H-14-19P, O/A dim., 5.50 in. L., 2.00 in. tclamp intg., FSN 6680-847-7197. No elearance quired to obtain APPI. USAAVCOM.

APPI No. AV-80, Valve, directional finder. accordance with procurement package No. 11-111. Application, aircraft. FSN 1650-739-2635. clearance required to obtain APPI. USAAVCC.

APPI No. AV-81. Valve, regulating, fluid press:

clearance required to ohtain APPI. USAAVCC APPI No. AV-81. Valve, regulating, fluid press; 3000 PSI Max. inlet pressure rating, 1350 PSI 1700 PSI, reduced outlet pressure rating, 1350 PSI 1700 PSI, reduced outlet pressure range 3.5 GI max flow capacity at Max. ratel inlet and outpressures, minus 65 deg. F. to plus 275 deg working temp, range, designed for hydraulic fluidody style 25, sect. A. RDG 250, Aluminum alloholly, cres seat and disk seating surfaces, single stage, manually regulated, end connections identical the female type, 3/8 in. OD tube size, 9/16 18 t UNF., RH, Internal thd, spring loaded, appi, draulic installation, alreaft. FSN 1650-056-2304, clearance required to obtain APPI. USAAVCOM.

APPI No. AT-49. Counter Shaft W/Integral ges

APPI No. AT-49. Counter Shaft W/Integral gea HS FSN 2520-752-1037. No clearance required to obtain APPI. USATAC.

APPI No. AT-50. Cylinder assembly, unit air cyl intler, hydraulic brake hooster, FSN 2530-040-2188 No clearance required to obtain APPI. USATAC.

APPI No. AT-51. Semi-trailer, low bed, 4 wheel, Mi72Ai. FSN 2330-317-6448. No crequired to obtain APPI. USATAC.

APPI No. AT-52. Mirror assembly, rear vi-left. FSN 2540-575-8392. No clearance required obtain APPI. USATAC.

APPI No. AT-53. Hook, Tow quick attaching. FSN 2540-706-8219. No clearance required to obtain APPI, USATAC.

APPI. USAIAU.

APPI No. WE-29. Fixture, lathe, metal cutting: designed for milling, drilling, boring, key-seating, indexing and other operations on engine lathes. Holding capacity 2" diameter, vertical travel 3 7/8" weight 56 lb. No clearance required to obtain APPI.

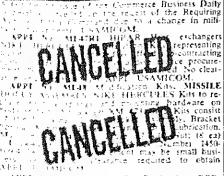
USAWECOM.

APPI No. WE-30. Latile. brake drum, floor mounted, 60 in. rated swing, 25 in. maximum drum dia., 9 in minimum drum dla., 10 in maximum depth of cut, stationary cutting tool type, with grinding provisions, 1 HP drive motor, AC, 115 V, 60 cycle single phase, 1/2 HP grinding motor, AC, 115, V 60 cycle, single phase: in accord., with fed spec 00-L-90, size 11. No clearance required to obtain APPI. USAWECOM.

APPI. USAWECOM.

APPI No. WE-31. Soldering gunt AC, 115 V, 6 cycle, single phase loop shape tip 0.161 inch di ameter 0.372 inch wide, 0.263 diameter, 5/16 incl diameter titread fastening, 24 thread per inch, wit duai heat control in accordance with Fed. Spet W-1-564A, Type i, Cord Assembly B, Ciass 2 whe tested and rated at IT's lowest wattage output. N clearance required to obtain APPI. USAWECOM.

APPI No. MI-36. CANCELLATION OF APP Published figures at 5 to 1 march 5 to 25. pag., 19 3/4 high 21 1/2 wattage to 1 march 5 to 25.



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# NOTICE

the following is a reprint from COMMERCE BUSINESS DAILY spublished by the U.S. Dept. of Commerce, Chicago, IIL) issue, dated May 3, 1966 page 2, No. PSA 3861 2017 that the potential surposes source of information (Nano and Address of Installations) will be found un page 2, top of colours I first three paragraphs.

APPS No. WEST Tener. Flective, for Luncher themses M.d. Midal, MidBI and MODALBI. Elec-trical fractions with precision millimati indicator \$73 and his security charance required to receive

APPS No WE-ES. Parractor Reptured Cattlidge Cot. A hear strated steel fool with machined states the Appel forging. No Reserve of Strate of the appel forging. No PSAME 1984

APPI to WE'M. Band, Lower, for MI Rifle Brarell monarch, steel casting plus strip steel. No USASSES, control of the control of the strip steel. No USASSES, con

APPI No. WE-38, Pad. Shoulder, Coated, Nylon-Chalb who says feet passdong. No security clearance negatives to receive this APPI USAWECOM.

APPI No. WE-36, Pon. Firing, for MI Rifle, Respires crown branch brance treatment and grinding. No security alternative respired to receive this APPI.

APPI No. AT-54. Pad. Track Shoe, T136. FSN 2530-799-0021. No security clearance required to obtain APPI. USATAC.

APPI. No. AT-55. Track. Shoe Section, SNL APP G293. FSN 2530-730-7343, No security elearance required to obtain this APPI. USATAC.

APPI No. AT-S6. Final Drive Assembly, Lett and Right, M113 and M113A1. FSN 2520-895-9164. No security clearance required to obtain this APPI. USATAC.

APPI No. AT-57. Final Drive Assembly, M60 and M60A1 Tank. FSN 25200678-4164. No security clearance required to obtain this APPI. USATAC.

APPI No. AT-58. Cylinder Assembly, Engine, W/Valves and Rollers. FSN 2805-040-0339. No Security clearance required to obtain this APPI. USA-TAC.

APPI No. AT-59. M113, Armored Personnel Carrier, Combat essential and high mortality components and repair parts list. This is an advanced planning procurement listing of items defined by name and Federal Stock Number. Current and future Fiscal Year requirements for each of the listed items are being generated and will be available, upon request, during the month of June 1956. No clearance is required to obtain the APPI. USATAC.

being generated and will be available, upon request, during the month of June 1966. No clearance is required to obtain the APPI. USATAC.

APPI No. AT-60. AVDS-190 and 2A Engine. (Air cooled. "V" Type, Cylinder configuration, diesel, supercharger). combat essential and high mortality parts list. This is an advanced planning procurement list of items defined by name and Federal Stock Number. Current and future Fiscal Year requirements for each of the listed items are being generated and will be available, upon request, during the month of June 1966. No clearance is required to obtain this APPI. USATAC.

APPI No. AP-15, Rev 1. Ammunition Item—Metal fabrication projectile TP-T 90MM M353 MPTS 14.2" Max long x 3.537" OD. Body is one piece design 10.15" x 3.537" OD, threaded nose, rotating band and crimping grooves, material, steel, HR carbon bars, excluding Bessemer stock; rotating band 355" OD x 1.255" wide x .21" thick material, gilding metal, class B annealed; windshield cone shape varying wall thickness aluminum alloy die casting comp A380 body and windshield assembled with thread sealing compound, cleaned and painted; plug of aluminum alloy anodine fluish; disc, pllobond 20 sealed into plug with adhesive. Subjected to rigid inspection. Manufacturing firms bidding this item will require highly competent staff of engineers. Very difficult to manufacture to government specs in large quantity. No clearance required to obtain APPI. AP-USAMUCOM.

APPI No. AP-30, Rev I. Ammunition item—Projectile, high explosive. 4.2" M329A1. MPTS. 16 305"

o obtain APP1. AP-USAMUCOM.

APP1 No. AP-30, Rev I. Ammunition item—Projectile, high explosive, 4.2". M329A1, MPTS, 16,395" max length x 4.193" max outsid diameter. 3-piece design. Consists of body 3.73" inside diameter tapers to 3.062" mose opening, material, non-resulphurized steel tube. Adapter nose, (non-resulphurized steel) threaded. Base, L.H. thread on one end (non-resulphurixed steel). Each component must have minimum yield strength of 45,000 lbs. PSI at .1 percent offset, interior and exterior cleaned and phosphatized. Lusterless enamel or lacquer on exterior nust withstand 144-hr salt spray, Item considered difficult to manifacture. No clearance required to obtain APPI. AP-USAMUCOM.

API No. AP-32, Rev I. Ammunition item—Projectile, high explosive, 105MM, M442, MPTS. Aprox 20.422" long x 4.223" diameter, Four components. Body, approx 14.03" long x 4.128" outside diameter at one end tapering to 2.38" at larger end and up to 3.505" angent to 24" radius tapering down to 2" thread at nose. Material, iron, pearlife malleable casting, spec MIL-C-46971, minimum yield strength of 70,000 pounds PSI with 2 percent minimum elongation. Base, approx 5.67" long x 4.128" outside diameter tapering to 3.547" boattail (steel). Rotating band blank (sintered Iron). Plug, 1.97" long x 2.412" outside diameter, 2" external thread one end and 1.25" hexagon head on other (aluminum elongations PSI and air pressure test of 6160 pounds PSI and air pressure test of 6160 pounds PSI and air pressure test of 515 Base (orgings and body casting require heat tricle; body castings ultrasonic. Ballistic tests for separation or breakup of projectile metal parts, tremely difficult to produce. No, clearance required extended to obtain APPI. AP-USAMUCOM.

APPI No. AP-3S, Rev 1. Ammunition item—Projectile, TP-T, 105MM, M489 assy, 25.88" long x 4.13"

tremety atherent to produce. To, clearance to obtain APPI. AP-USAMUCOM.

APPI No. AP-3S, Rev 1. Ammunition item—Projectile. TP-T. 105MM, M499 assy, 25.88" long x 4.12" diameter. Consists of eight (8) components. Body, 5.09" long x 4.128" diameter x 3.052" inside diameter, inside threads both ends. Material carbon steel, rubing Base 9.33" long x 4.111" diameter tapered to 1.44", thread both ends outside. Material, aluminum alloy forging. Spike, 7.610" long x 4.111" diameter head section, stem section 1.322" diameter fapered to 1.2" diameter 6" long, thread both ends. Material, aluminum alloy forging. Fin, 3.69" long x

4.083" diameter, six (6) webs with "T" shape lngs, inside threads both ends. Material, aluminum alloy extrusion. Obturator, 4.29" iliameter x 3.591" inside diameter x .706" inng. Material, Zytel 101 or 42 clear tubing, available commercially. Cnn nose, tiange, 1.57" iliameter x .125" thick, aluminum. Plug 7/8" iliameter x .34" long x 5/16" hare, aluminum. Disc, 43.5" diameter x .004" thick, brass strip aljoy. Manufacturer will require engineers, metallurgists, chemists. Item considered difficult to prinhice. No clearance required to obtain APPI. AP-USA-MUCOM.

chemists. Item considered difficult to prinhice. No clearance required to obtain APPI. AP-USA-MUCOM.

APPI No. AP-36, Rev I. Ammunition Item—Projectile, HEAT. 106MM, M344A1 with M8 fin, metal parts. Projectile assy, 16.43" long x 4.128" diameter, Consists of 10 components body, 7.68" long x 4.128" outside diameter, 3.555" inside diameter, counterbored and internally threaded both ends, 2 bourrelets and annular groove on outside diameter. Material, seamless steel tubing or special bar quality steel forging. Ogive, 8.116" long, hollow truncated come with 4.11" outside illameter tapering to 1.3713" on apposite end, .144" wall thickness, external threads both ends. Special bar quality steel forging or cold extrusion steel. Cone, 3.819" long, hollow truncated cone closed on small end, 3.564" outside diameter tapering to aboue .616" on opposite end, .10 wall thickness, cold rolled, deep drawing annealed strip copper. Chamber, 3.10" long x 3.938" ontside diameter, external thread one end, Internal thread on other followed by radius, reverse angle taper, 1.78 thread, counter bore and 1.264" thru hole with 4 equally spaced longitudinal slots on elecumference. Aluminum alloy. Plug. .39" long x 1.873" outside diameter, 1.78 thread, 2 blind holes 180 degrees apart on base, one blind hole on longitudinal axis opposite end. Aluminum alloy. Fin assy, 11,22" long x 3.938" diameter. Consists of 16 components. Major components fin, 6 each, 8.93" tong, varying in depth from 1.544" at base to .929" at outer externity, .040" thick at top to .260" at bottom, .25" hole thru base with full depth involute spur gear tooth space on outside radius at base bottom, Aluminum alloy or forging. Piston, stop, .51" long x 1.824" outside diameter uniterent and taperel, Carbon steel bar. Item must withstand tests for metal part security, fin opening and penetration. Manufacturer requires engineers, metallurgists, tool designers. Item consilered extremely difficult to produce. No clearance required to obtain APPI. AP. USAMUCOM.

APPI No. AP-44, Rev

duce. No clearance required to obtain APPI, AP-USAMUCOM.

APPI No. AP-44, Rev 1. Ammunition item—Projectile, 105MM, HEP-T, M393A2 MPTS, 15.84" long by 4.125" outside diameter, 3 components consisting of body assy, 15.34" londes long by 4.123" outside diameter, one piece design, varying wall thickness from approximately .30" to .135", parahola shaped nose, 2 rotating band grooves, counterbore and threaded base enil, material, steel, carbin, ASTM A107-58T, mechanical properties, vield strength 70,000 PSI, elongation 10 percent. Rotating band thickness by .755" long, material, gliding metal, spec M1L-B-20292. Body and two rotating band assy must withstand an internal air pressure test of 100 PSI minimum für 15 seconds. Pling bags, 3.00" long by 4.06" outside diameter of shoulder, two holes 180 degrees apart 5/16" diameter by 5/16" deep, threaded cavity in hase end, 5/8" diameter by 5/16" deep, threaded cavity in hase end, 5/8" diameter by 5/16" diameter by 1.94 thread, material, aliminum alloy, 2024-T3 or 2024-T3510, specification QQ-A-267, aliminum alloy, 6066-T6 or 6066-T51, specification MIL-A-25493, Mannifacturing firms bldding this litem will require a highly competent technical staff of engineers to design, fabricate and maintain precision tools required to mass produce. This projectile is considered very difficult to produce to applicable specifications, No clearance required to obtain APPI, AP-USAMUCOM.

APPI No, AP-72, Ammunition litem—Projectile,

AP-USAMUCOM.

APPI No. AP-72. Ammunition Item—Projectife, Chemical. M121E1 MPTS—consists of six (6) components, body, approx 23,75" long by 6" dlameter, nose section threaded and precision finished within 16 to 32 micro-inches, material, steel, ASTM-A273 length by 1909" inside diameter, external and internal threads, material steel, ASTM-A107 special bard, 6.36" diameter by 9.09" inside diameter by 2.3" length by 1909' inside diameter, external and internal threads, material steel, ASTM-A107 special bard, 6.36" diameter by 9.09" inside diameter by 1.076" wide, material, gilding metal, spec MIL-B-20295, gasket, 2.19" diameter by 1.076" wide, material, gilding metal, spec MIL-B-30292 or MIL-B-20295, gasket, 2.19" diameter by 1.84" inside diameter by 1.25" thick, material, rubber, neoprene, type S, class SC, grade SC515, Spec rial, volatile corrosion inhibitor paper, type 1, class diameter by 2.5" inside diameter by 13" thick, material rubber. Spec MIL-P-3420, gasket shipping, 2.83" diameter by 2.5" inside diameter by 13" thick, material rubber. Spec MIL-R-3065, type S, etass SC, grade SC820 A, B, as specified in MIL-STD-417. Magnetic particle inspection in the nose section of withstand a helinm gas test. Exterior is surrounded with one atmosphere of helium, a maximum of twenty (20) micorns of mercury absolute pressure.

Maximum lead permitted is 1 x 10 minus 6 centi-meters per second. Projectiles are packaged on wood pallets for shipment. This item is considered very difficult to produce to spec requirements. No clear-ance required to obtain APPI, AP-USAMUCOM.

# Notes (All Frankford Arsenal Items thus (& ndicated require large production quantities, APPI Nos. FA-28 thru 35)

APPI No. FA-28. Case cartridge 20MM M103. Material, copper alloy. Dimensions: 4.012 inches long x 1.165 outside diameter at base tapered to 822 at mouth, with a counterbored primer hole in base. No clearance required to obtain APPI. FA-USAMUCOM.

USAMUCOM.

APPI No. FA-29. Fuze M505A3 is used with the 20mm HE1 ammunition. It consists of a body assembly, a rotor assembly and a booster holder assembly. The body assembly consists of an aluminum alloy firing pin and a rotor safety spring of corrosion-resisting steel wire contained in a steel body and covered by a sheet steel cover. The rotor assembly consists of a brass rotor containing the detonator. The booster lioider assembly consists of a steel hoider housing the booster. No clearance required to obtain APPI. FA-USAMUCOM.

APPI No. FA-30. Projectile M56A3 for 20mm

APPI No. FA-30.4 Projectile M56A3 for 20mm electric HE1 cartridge. It consists of body, rotating band and base cover, The body which is made of steel is hollow. The base cover is also fabricated

from steel and is weided to the body. No clearance required to obttain APPI, FA-USAMUCOM.

APPI No. FA-31. Propellant for use with 20mm HEI M56A3. No ciearance required to obtain APPI. FA-USAMUCOM.

FA-USAMUCUM.

APPI No. FA-32. Metal boxes, M548, are reusable steel boxes having hinged covers sealed by
means of a rubber gasket. These containers are used
for packing small arms ammunition and are designed to withstand all conditions commonly encountered in handling, storing and transportation of
ammunition. No clearance required to obtain APPI.

FA-USAMUCOM.

FA-USAMUCOM.

APPI No. FA-33. Metallic Belt Links M12, are used with 20mm and 7.62mm cartridge in machine guns. The links are made of steel, processed for rust prevention and are required to meet specific test requirements to assure satisfactory ammunition feed and functioning under all service conditions. No clearance required to obtain APPI. FA-USAMU-COM.

API No. FA-34.4 Metaliic Belt Links M14A1, are used with 20mm and 7.62mm cartridge in machine guns. The links are made of steel processed for rust prevention and are required to meet specific test requirements to assure satisfactory ammunition feed and functioning under all service conditions. No clearance required to obtain APPI. FA-USAMU-COM.

COM.

APPI No. FA-35. Links M1 Steei Stamped to size, heat treated, one piece treating to prevent rust and subject to tests to assure satisfactory machine gun feeding. Large production quantities. No clearance required to obtain APPI. FA-USAMUCOM.

APPI No. ME-84. Air Conditioner. Wail Mounting. monochlorodiflouromethane, closed type eompressor, air-cooled condenser, electric motor powered, 1 EM for compressor, 4 HP, AC 208 V, 400 Cycle, 3 Phase, 1BM for condenser fan 3/4 HP, AC, 208 V, 400 Cycle, 7 Phase, 1 EM for Evaporator Fan 3/4 HP, AC 208 V, 400 Cycle, 9 Phase, 1 EM for Evaporator Fan 3/4 HP, AC 208 V, 400 CFM heating capacity, 12,000 BTU per hr, 600 CFM, Type 11, in accordance with MILA-52344A. FSN 4120-060-4507. No security clearance required to obtain this APPI. USAMEC.

APPI No. ME-85. Crane Truck, Warehouse, 10,000

APPI No. ME-85. Crane Truck, Warehouse, 10,000 be capacity, gasoline engine powered, pneumatic tires, revolvong telescopic boom, in accordance with MIL-C-3998A, FSN 3950-050-1098. No security clearance required to receive this APPI. USAMEC.

mil. C. 3998A. PSN 990-030-1098. No security clearance required to receive this APPI. USAMEC.

APPI No. ME-86. Generator Set. Diesel Engine,
60 KW. AC, 0.8 PF lagging, 400 Cycie, 3 Phase,
4 Wire, 240 V line to neutral and 416 V line to line.
(240/416 V) WYE, 3 Phase, 4 Wire, 120 V line to
neutral and 208 V line (120/208 V) WYE, Ilquid
cooled portable, skid mounted, winterized, precise
power in accordance with MIL-G-52146 with amend
1, FSN 6115-752-2092. No security clearance is required to receive this APPI. USAMEC.

APPI No. ME-87. Rolier, Towed, Sheepsfoot, 2
durms in line, oscilliating type frame, durm 40 in.
to 44 in. dia, 48 in. wide; tamping foot data, 7 in.
min length overall, 5 sq in face area, 88 to 112 per
drum, 8 ft to 10 ft compaction width in accordance
with MIL-R-1284B with amend 1; FSN 3895-2630121, No security clearance is required to receive
this APPI. USAMEC.

APPI No. ME-88. Rolier, Towed Pneumatic Tired.

APPI No. ME-88. Roiler, Towed Pneumatic Tired. Hopper frame, 100 cu ft min ballast capacity; 13 tires; 9 ton; 84 in., roiling width; in accordance with MIL-R-11806B with Amend 1; FSN 3895-227-1599. No security clearance is required to obtain this APPI. USAMEC.

APPI No. ME-89. Scraper, Earthmovins, Towed. 7.5 cu. yd. struck capacity scoop; hydraulic; 4 wheel.

pneumatic tires; open bowl; air transportable, Phase I, air droppable; convertible to 2 wheel unit is accordance with MIL-S-52034B; FSN 3805-530-2098. No security clearance is required to obtain this APPI. USAMEC.

APPI. USAMEC.

APPI No. ME-90. Truck, Lift, Fork. Diesel engine driven; pneumatic tircs; rough terrain 600 pounds at 24 in load renter; 144 in lift, 24 volt electrical system, power operated transmission in accordance with MIL-T-21863B with Amend 1, FSN 3930-073-8751. No security clearance is required to receive this APPI. USAMEC.

APPI. USAMEC.

APPI No. ME-32R1 (Revision). Generator Set. Diesel Engine, AC, 15 KW, 60 Cycle, 0.8 power factor, multi-purpose; self-excited; prime mover is a liquid-cooled radiator type, electric motor eranked, 24 volt cranking voltage, skid mounted; fully inclosed, overall dimensions 65 in long 30-78 in wide 48 in high, with radio interference suppression; with following special features, A 100 AMP battery charging system, a power receptacle connection plate and preelse power. In accordance with MIL-G-33480; FSN 6115-839-1370. No security elearance is required to receive this APPI. USAMEC.

APPI No. ME-42R1 (Berstein 1997), Fabric Coliapsible, Myland 1997, Fabric Coliapsible, Myland

cloth in accordance with Mil-T-14398D; FSN 5430-335.4486D. No security clearance is required to obtain this APPI. USAMEC.

APPI No. MI-49R1, Battery Gas Bottle Assy—Redeye Missile System—This assembly supplies electrical power and freon gas coolant to the Redeye Guided Missile Weapon prior to launch. Activitation of the thermal battery is accomplished by an impulse generator located in the Redeye launcher which also detonates the explosive activated freon release mechanism which shears an external gas release tube in the Battery/Gas Bottle Assy. The overall dimensions of the assembly are 5 inches in length and approximately 2 inches in diameter. The gas bottle is spherical in shape and is fabricated from stainless steel. The bottle is approximately i.5 inches in diameter and is capable of a proof pressure of 7100 psl at -70°F. The battery/gas unit case, cleetrical connector and threaded cap are fabricated as a one-piece molded plastic part. The assembly is a one time operation device. No Federal Stock Number assigned. The battery is Government furnished equipment. No clearance required to obtain APPI. This synopsis supersedes synopsis MI-49 published on 5 April 1966. USAMICOM.

APPI No. MI-50. Container—Chapparal Missile—This container consists of an inner aluminum tube has an access cover on one end and the outer aluminum skin has hinged and latched end covers. 6 slots are provided, 3 on each end, in the polyurethane cell for storage of the missile wings and canards (fins), The container has approx. Outside dimensions of 125° long by 19° high by 18° wide and Is designed for steakability. Weight is to be 95 lbs or less. No Federal Stock Number assigned. Procurement may be a small business setaide. Confidential clearance is required to receive this APPI. USAMICOM.

APPI No. MI-51. 1. Case Assembly with the container on the container of the steakability. Weight is to be 95 lbs or less. No Federal Stock Number assigned. Procurement may be a small business setained. Confidential clearance is required to receive thi

this APPI. USAMICOM.

APPI No. MI-51. I. Case Assemble, rect: et Motor (Sergeant Missile, Sergeant) Missile, Sergeant Missile, Sergeant Missile, Sergeant Missile, Sergeant Missile, Sergeant Missile Sergeant Missile Sergeant Missile Command Almilo immediately. No clearance required to obtain this APPI. USAMICOM.

APPI No. MI-52. I. Body Sections, Guided Missile (Sergeant Missile Systra). 2. Capaol Surface Assemblies (Se

this APPI. USAMICOM.

APPI No. MI-53. Test Set Semi-Automatic Performance Evaluator (Rate Table) for Guidence Control Group of Chaparral Missile. Test servonsists of a complex assembly of a child and spelliary electronic equipment of the following to the provisions of (c) and the first of the provisions of (c) and the first of the provisions of (c) and the first of the first tem is considered extended and the first to manufacture and requires an instant showledge of the Chaparral Missile. This release is of primary interest to firms desiring to act as sub-contractors. No Federal Stock Number Assigned. No elearance required to obtain this APPI. USAMICOM.

APPI No. AV-82. Servocylinder. Hydraulic.

obtain this APPI USAMICOM.

APPI No. AV-82. Servocylinder, Hydraulic.
10. APPI No. AV-82. Servocylinder, Hydraulic.
10. APPI No. AV-82. Servocylinder, Hydraulic.
10. Servocylinder, Hydraulic.
10. Servocylinder, Hydraulically operated by pass valve; O/a dim., 14.340 in. 1g., 2.874 in. w., 2.600 in. the; 2 mig holes, 1/4 in. dia.; 2 parallel holes located at fork end., 350 in. from center of hole to end of fork; Appl., Control Inst.,

Hydrauilc, Tall Rotor, FSN 1650-014-2038. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-83. Control, Remote, Fire Extlnguisher, For use on Army Aircraft. Ord Drawing 7968270. FSN 1680-182-3897. No clearance required to obtain APPI. USAAVCOM.

to obtain APPI. USAAVCOM.

APPI No. AV-84. Maintenance Piatform, Adjustable, hydraulic adjustment; 3 ft. to 10 ft. working level H range; platform floor, 1 working platform, steel plate material, w/4 witeels, w/o locks; equipped w/ladder; w/safety guards around platform, fixed type; max. o/a dlm., 131 in. lg., 44 1/2 in. w., 123 in. h., MIL.M-57777B, Type B-1, FSN 1730-390-5618. Procurement will be 100% small business set aside. No clearance required to obtain APPI. USAAV-COM.

COM.

APPI No. AV-85. Jack, Hydraulic, Tripod. 5-Ton capacity, 23 9/16 in. low it., 16 in. hydraulic lift, w/screen extension, 12 in. h., w/ieg extension, 2 sets, 75 9/16 in. max. extended h., w/removable pump. MIL-J-7399, Type B5; FSC Appl., Acft. Gnd. Servicing Eqpt. FSN 1730-516-2018. Procurement will be 100% small bustness set aside. No clearance required to obtain APP. USAAVCOM.

to obtain APP. USAAVCOM.

APPI No. AV-86, Test Stand, Hydraulic Systems Components, Portable, to test aircraft hydraulic systems; 3,000 to 5,000 psi operating pressure, 5 to 10 gpm flow capacity, gasoline engine driven 23 to 31 HP, w/fültering system, w/pressure and suction hose, suction slde of pump wiii withstand 100 psl gase pressure, MIL-T-7612, Type D5B, FSN 4920-141-8801. This procurement wiil be 100% small business set aside. No clearance required to obtain APPI. ISAAVCOM. set aside. No USAAVCOM.

USAAVCOM.

APPI No. AV-87. Scale, Aircraft Weighing. 150, 000 ib. max cap., portable, incl. carrying case, 110V 60 Cy. single phase; DC, 22V to 28V; Indicator, dial, 5100 lb., dial graduations in 10 lb. Increments; accessories per specifications, MIL-W-7327A, 7327A Type C-1, and MSS 6670-1. FSN 6670-526-8498. No clearance Required to obtain APPI. USA-AVCOM.

AVCOM.

APPI No. AV-88. Tester, Pyrometer and Thermocouple. Fleid, Type N-3A. Potentiometer and MV eircuit principie. Scaie reading data 22,50V to 2850V range porm 0.5V accuracy rating, calibrated to 12 and 24V. Resistance thermometers calibrated to 1ron contantan and chromel alumel thermocouples. Scaie data 3 1/2 min 1g, o/a dim. 18 iu. 1g x 10 1/2 in. w. x 6 in. h., portable. Oove Spec Data, MIL-T-58082, Type N-3A. FSN 6695-762-0057. No elearance required to obtain APPI. USAAVCOM.

APPI No. EL-59. Terminal Telegraph AN/TCC-4

APPI No. EL-59. Terminal Telegraph AN/TCC-4 () Terminal Telegraph AN/TCC-4 () Terminal Telegraph AN/TCC-4 () comprises the equipment required at one end of a circuit to provide up to 8 two-way telegraph channels on any 2 wire or 4 wire voice frequency or carrier telephone circuit. No security clearance required. USECOM.

APPI No. EL-60. Centrai Office Telephone Manual AN/TTC-7A. A complete telephone switching center to inter-connect common battery and trunk lines may be expanded on a 4-panel multiple basis to inter-connect 1000 lines and 160 trunks. No security clearance required. USAECOM.

APPL No. EL-61. Telephone Central Office Group.

APPI No. EL-61. Telephone Central Office Group, Manual AN/GTA-14(V). A grouping of components when installed in shelters or vans provide facilities for a manual Telephone Central Office operation. No security clearance required. USAECOM.

security ciearance required, USAECOM.

APPI No. EL-62. Radio Set AN/VRC-24A. A vehicular DC powered UHF Ground-to-air radio set. Provides for operation with Clphony Equipment TSEC/KY-8 and Radio Set AN/ORC-5(). No security clearance required, USAECOM.

APPI No. EL-63. Telephone Set TA-3i2/PT. A light weight portable lield telephone designed for igneral purpose use. Has one-way interchangeability with TA-43/PT. No security clearance required USAECOM.

APPI No. EL-64. Receiver-Transmitter Bodio Security Communication of the commun

USAECOM.

APPI No. EL.64. Receiver-Transmitter Radio Se RT-246/VRC. A rugged, compact FM receiver-transmitter in a waterlight case. It may be manualituned from the front panel to any frequency in the range of 30 MC to 75.95 MC in 50 KC increments or automatically tuned from the front panel, or emotely, to any of ten pre-set frequencies with the 30 MC to 75.95 MC turing range. No securit clearance required, USAE-COM.

APPI No. EL-65, Receiver-Radio R-442/VRC. rugged, lightweight, compact, FM receiver fitted in watertight case. The receiver is manually tunable over the frequency range of 30 MC to 75.97 MC in 50 KC increments covered in two bands. No security clearance required. USAECOM.

APPI No. EL-66, Receiver-Transmitter Radio R1

security clearance required. USAECOM.

APPI No. EL.66, Receiver-Transmitter Radio R7
524/VRC. A rugged, compact FM receiver-tran
mitter in a watertight case. It is tuned manual
from the front panel to any frequency in the rang
of 30 MC to 75.95 MC in 50 KC increments, A
integral loudspeaker is mounted on the fro
panel. No security clearance required. USAECON

APPI No. EL-3, Radio Set AN/GRC-106, cancelled.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated June 7,1966 page 2, No. PSA 3798 oxorpathat the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No AP-4, Rev 2 Booster, M125Al, assemble, Mills, with booked M17 detender, approximately 2 come a princip by 2 inch long, booster with a service of a princip by 2 inch long, booster with a service and 2 components, bibliotic review of a princip by 2 inch across diameter with 17 cm 2 certer bits metall, bilance confliction with 18 february 18 inch across diameter with 17 cm 2 certer bits metall, bilance in 18 certer bits metall, bilance in 18 certer bits metall, specification (90-8-6), or an experiment of 18 inch long, material 18 inch, p. 12 cert of the 416, specification (90-8-6), p. 12 cert of the 416, specification (90-8-6), p. 12 cert of the 416, bill inch ling the production of 18 inch 18 production (90-8-6), p. 12 cert of the 416, bill inch 18 production (90-8-6), p. 12 cert of the 416, bill inch 18 production (90-8-6), p. 13 cert of the production (90-8-6), p. 14 for the princip of the principle of the first of the 18 production (90-8-6), p. 15 cert of the 18 principle of the 416, bill by 33 inch lance pin section; 18 cert of 416 principle of 416 pr

steel, spring, music wire, composition A or B, specification QQ-W-470 or wire, corre-resist, condition B, specification QQ-W-423, spring, left hand detent, same as above wind left hand, cup, booster, 1.703 inch QD by 1.5359 inch 1D by .064 inch base thickness with 1.6 inch L.H. inside thd, material, A1 alloy (AL-3) condition 1/2 hard, specification QQ-A.350 or A1 alloy, comp 6061F, specification MIL-A-12545, cup, closing, .185 inch ID by .197 inch QOD by .005 inch wall thickness with 45 degree angle lip at open end, material, gldding metal, specification JAN-G-439. Manufacturing firms bidding on this item will require a competent lechnical staff of engineers, metalbrgists and tool engineers to design and maintain precision tools to produce precision parts by mass production techniques. This bnoster is considered difficult to produce in accordance with applicable standards and specifications. No security clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-32, Rev 1. Issued 3 May 66 for projectile, HE, 105MM, M442, MPTS is hereby cancelled since requirements for this particular item have been withdrawn.

APP1 No. AP-32, Rev 1. Issued 3 May 6b 107 projectile. HE, 105MM, M442. MPTS is hereby cancelled since requirements for this particular item have been withdrawn.

APP1 No. AP-31, Rev 1. Fuze, MTSQ, M564 is approximately 2.4 inches maximum diameter by 5.816 inches long, procured detonator and relay loaded, complete assembly consists of approximately 166 component parts. Major components body, 2.40 inch diameter by 1.53 inches long with various counterbores, threads, holes and slots, material, brass, specification MIL-B-13351 or QO-B-637, ring, lock, 1.773 inch inside diameter by 27 inches long with 1.15716 inch 24 thread on outside diameter with 2.20 slots one side, material, stainless steel 4YN QO-B-763, head, 1.785 inches long, 1.610 inch outside diameter tapers to approximately 0.55 inches several counterbores and a 8125 - 28NS - 28 thread, material, aluminum alloy 2824, temper 74, Specification QO-A-268, alternate material aluminum althy die costing, specification QO-A-591, adapter, 1.377 inches long by 1.00 inches in diameter, 1.00-20NEF-2A thread on one end with a 8125 - 28NS-2A threat on apposite end, material, aluminum altoy 2024, temper 74, specification QQ-A-526 or aluminum alloy die casting, specification QQ-A-527 adminum alloy 7075, temper 76, specification QQ-A-268 or aluminum alloy die casting, specification QQ-A-280, cup, booster, 825 inches long by 1.703 inches outside diameter, 1.536 inch inside diameter, 761 inches deep, 1.600 - 20NS-291-X thread in mourh of cup, material, aluminum alloy, 2003-N14, specification ASTM-E209 or aluminum die casting, specification QO-A-268 or 2024-T4, QO-A-268 or 268, pp. pp. pp. pp. pp. pp. pp. pp. p clearar COM.

APPI No. AP-76. Fuze, grenade, XM 218 consists of /22/ components and /4/ assemblies. Detonator housing assembly, /7/ components, lockweight, approximately 194 inch long by .094 inch wide by .095 inch high with various notches and radii, material, lead alloy, grade 10, specification QQ-T-390, coated with molybdenum disalphide, four required, lockweight spring, approximately .35 inch free height, 5 coils, 174 inch diameter, .005 inch wite diameter. material, steel music spring wire, specification ASTM A228, protective finish number 1.8.2 of MIL-STD-171, M55 stab detonator, government-furnished, root housing, approximately .956 inch maximum diameter by .317 inch high with various sized holes and notches, malerial aluminum die casting, alloy SG-100B.

specification ASTM-B85 /cnid chamber process/, rotor, approximately 5.26 inch diameter by .161 inch thick various holes and mottches, material, aluminum alloy \$.6100B, specification ASTM-B85 /cold chamber process/, or aluminum 3003 temper '00', ASTM-B209, motor spring, approximately .96 inches free height, 29 colls, 689 inch ilimeter, 6005 inch wire iliameter, motorial steel music spring wire, specification ASTM-A228, protective finish number 1.8.2 of Mit-std-171, rotor shaft, finish collective collection QQ-B-626.cover. .962 Inch iliameter, material, steel, low carbon, sheet and strip, drawing inality QQ-S-698, protective finish number 1.9.2.2 or number 1.1.2.2 of Mit-Std-171, overaly .865 inch diameter by .272 inch deep cup with .04 inch ilip, .032 inch wall thekness, material, aluminum alloy, 2024, temper "O", specification ASTM B. 209, protective finish number 4.3 of mit-std-171 linch diameter by .019 inch thick, material, steel, carbon, strip, cold rolled nutempered spring, spheroidize annealed, number 1.9.2.3 of mit-std-171, lead cup assembly, lead cup with rdx, government-firmished, delay inusing assembly /13/ components, delay housing, approximately .956 inch maximum diameter by .366 inch high with various size holes and motches, material, aluminum die casting alloy, SG-100B, specification ASTM-B85, protective finish, electrofilm, number 4.396, .0002 in .0005 inch thick, material, aluminum die casting alloy, SG-100B, specification ASTM-B85, protective finish, cletrofilm, number 4.396, .0002 in .0005 inch thick, one end 90 degree twist, one end 90 degree twist, one end 90 legree hous, material, orrosion resistant steel strip, .116 inch wide, .001 inch thick, one end bent 30 degree twist, one end 90 legree hous, material, secification ASTM-B1, .116 inch wide, .010 inch thick, one end bent 30 degree twist, one end

APPI No. AP-73. Frize, grennie, M219 consists of 21 components and 6 assemblies. Huising assembly 4 components, lockweight, approximately 194 inches long by .094 linches wide by .095 inches high with various notches and radli, material, lead alloy, grade 10, specification QQ-7-390, quated with molybdenim disulphide, 4 required, lockweight spring, approximately .35 inch free height, 5 colis, .174 linch diameter, .005" wire diameter, milerial, steel music spring wire, specification ASTM-A228, protective finish number 18.2 of MH.-STD-171, M55 Stab detonator, government furnished, rotor and housing assembly, 4 components, rotor housing, approximately .956 linch maximum diameter by .317 inch high with 'various sized hiles and notches, material, altiminum die casting, alloy SG-100B, specification ASTM-B85, cold chamber process, rotor, approx., .526 linch diameter by .161 linch thick with various holes and notches, material, altiminum alloy SG-100B, specification ASTM-B85, cold chamber process or altiminum 3003 temper 0 ASTM-B209, rotor spring, approximately .96 linches free height, 29 colls, .089 inch diameter, .005 inch wire diameter, material, steel music spring wire, specification ASTM-A228, protective finish number 1.8.2 of MIL-STD-171, rotor shuft, .216 linches long by .104 linch diameter, material, brass, rod, composition 22, half-hard specification QQ-B-626, cover .962 linch diameter by .561 linch deep cnp, .016 linch wait thickness, material, steel, low enrbon, sheel and

strip, drawing quality QQ-S-698, protective finish number 1,9.2.2, or number 1,1.2.2 of MIL-STD-171, overlay, 865 inch diameter by .272" deep cup with .04" lip, 032" wall thickness, material, aluminum alloy, 2024, temper Q, specification ASTM B209, protective finish number 4.3 of MIL-STD-171, disceptive finish number 4.3 of MIL-STD-171, disceptive index index in the strip, cold rolled untempeted spring, spheroidize annealed, No. 1095A. OAC-PD-109, protective finish No. 19.2.3 of MIL-STD-171, lend cup assembly, lead cup with RDX, government-furnished, firing pin assembly, 2 components, firing pin. 569" long by .131" wide by .037" thick, material, steel, corrosion resisting, chromium, strip, type 430, cold finished, specification ASTM A176, firing pin spring, 948" diameter hy .044" thick with various cutnuts and notches, material, steel, corrosion resistant, type 17-7, hard temper AMS 5529, minimum tensile strength 230, 000P\$1, weights and plate assy. 6 components, centerplate, Y shaped, 956 inch diameter by .150" thick with various radii and cutoats, material, aluminum alloy, 6061, temper Q, specification ASTM-B209, heat-treat to T6 condition, push pin, approximately, .122" diameter hy .138" long, material, aluminum alloy, 7075-T6, specification ASTM-B211, protective finish, molybdenum disniphide, hamperweight spring, Y shape before forming, approx., .710" diameter by .044" thick, formed to free height of .112", material, steel, strip, cold rolled, hardened and tempered, spring, specification MIL-L-3503 or finish No. 3.3.1 of MIL-STD-171, hanner-weight three required, wedge shaped 120 degree with appex cut off, .385" radius, .174" thick, material steel, low carbon sheet or strip, specification QO-S-698, hommer-weight hracket, 3 required, U shaped, .284" wide by .206" high by .031" thick, material steel, low carbon sheet or strip, specification QO-S-698, hommer-weight hracket, 3 required, obtain APP1, AP-USAMUCOM.

APPI No. AP-22, Rev 1, Complete head assembly for M525 (T336E7 and M527B1), fuzes, Meclanical

specifications. No security clearance standards and specifications. No security clearance required to ohtain APPI. AP-USAMUCOM.

APPI No. AP-22, Rev 1. Complete head assembly for M525 (T336E7 and M527B1), fuzes. Mechanical escapement type, with arming, non-arming, arming delay, and clock movement principles. Approximately, 1-1/2 inch long x 1.38 inch OD, approximately (43) components. (11) assemblies, (29) specs, components balance .305 inches OD x .212 inches wide, material fuses rod, hushing, .45 inches OD x .15 inches thick, material hrass rod, firing pin 1.4 inches long x .157 inches OD, material, aluminum alloy rod, hushing retidier, .38 inches long x .24 inches OD with .36 inch flange, material, hrass rod, spring washer, approved source, lousing, .998 inch OD x .625 inches long, material, aluminum alloy rod, striker, cnn shape, .895 inches OD x .475 inches high with .055 linch material, aluminum alloy rod, striker, cnn shape, .895 inches OD x .4097 inches high with .055 linch material, aluminum alloy rod, head, -38 inches maximum OD x 1.097 inches maximum length, material, aluminum alloy rod, brade, -38 inches maximum OD x 1.097 inches thick, material, aluminum alloy rod, striker, cnn shape, steel, pius & posts, (6) material, stainless steel, piac, .91 inches OD x .048 inches long, material, brass stod, pinlons (3) material stainless steel, piac, .91 inches OD x .048 inches thick material brass sheet, gears, (3) 19, 22, 40 tooth & escape wheel, 9 tooth, material, brass for gears and wheel shaft, .545 linches inna x .078 inches OD material, stainless steel, piac, .91 inches OD flange, .61 inches OD cnp. x .275 inches wide, material, stainless steel, spring, main, 13.5 inches developed length x .0095 inches thick x .158 inches wide, material, stainless steel, spring, main, 13.5 inches developed length x .0095 inches thick x .158 inches wide, material, stainless steel, spring, main, 13.5 inches developed length x .0095 inches thick x .158 inches wide, material, stainless, steel, spring, main, 13.5 inches dev

ohtain APP1. AP-USAMUCOM.

APPI No. AP.74. Fin assembly. M2, 2.375" diameter by 2.535" long and consists of 2 components, cartridge container, 94" diameter by 2.420" long, one end has, 658" illameter hore extending to depth of 1.86", with a .75-8NS-2B internal threads, 4" minimum depth, and a .830" diameter by .066" deep counterbore. The other end has a shoulder .365" from end and is threaded externally .6625-18 UNF-2A by .265" long. Sixteen .1865" diameter holes extend radially through the sidewail into the .658" diameter cavity at various locations, material, steel bar, carbon, CF, grade 1137, specification AST M A108. fin, .0625" thick by 1.90" long, single piece construction consisting of two blades and a hub area. Blaties are .718" wide, 52 degrees apart and slotted .20" wide by .82" long. Hub area contains 2 .25" diameter holes prior to forming of the .47" hub radius, 4 fins per asembly are located

on 90 degree centers and copper brazed to cartridge container. Final protective finish, specification MIL-STD-171, finish number 5.1.1 and 20.1, olive drab No. X34087. The fin assv., is considered not difficult to produce. No security clearance required to obtain APPI, AP-USAMUCOM.

to produce. No security clearance required to obtain APPI. AP-USAMUCOM.

APPI No. AP-75. Fize. PD. M557 assy is an end itm consistine of fuze. pd. M48A3 assembled with baoster M125A1. Fuze. pd. M48A3 consists of 5 major components, body. 2.412" diameter by 1.935" long with machined steps of smaller diameters and drilled holes. The base has 1.7-14 NS 1A external thread, the same base also has 1.375-24 NS 1B LH and 1.06" diameter by .805" deep counterbore. Malerial, steel, bar. 1117-1120, cold finish. ASTM A 108. Alternate material, seel, forging, FS 1117 for FS 118. specification MIL-S-13048. Head, 1.760" lone by 1.03" diameter, with nose tapered to .535" and various size internally drilled cavities, material, aluminum alloy, rod. 2011-T3 or 2024-T4, ASTM V211, Ogive, cone shaped 2.315" diameter tapered to 1.01 inch smaller diameter with wall thickness, 0.52" material, steel, cold-rolled strip, temper No. 5, finish no. 2. ASTM A109, Tube, flash, 1.685" long by .4415" diameter. .167" hole drilled leneth-wise through center, .4375-20-UNF-2A thread both ends, material tube, steel, seamless, CD, 1137, specification OO-T-830 or steel, bur, FS 1035 or 1137. ASTM A-108 or steel, tubing, AMS 5082, Delay, plunger M1, consists of 13 components, namely plunger pins, springs, spring plates, plunger body, fring pin shell, pluneer support, plunger restraining spring, lock check washer, guide pin, and firing pin, that are easy to manufacture and assemble. Other minor components consist of interrupter, disc, springs, washer, seriew, firing pin, etc. That are easy to manufacture and assemble. This item is not considered difficut to manufacture. No security clemance required to obtain APP. AP-USAMUCOM.

APPI No. AP-33 Rev 1, Mine, APERS, M18A1, parts arrangement, 12 components, 8,464 inches long

manufacture and assemble. This item is not considered difficut to manufacture. No security clearance required to obtain APP. AP-USAMUCOM.

APPI No. AP-33 Rev 1. Mine, APERS, M18A1, parts arrangement. 12 components, 8.464 inches long by 3.968 inches wide by 4 inches high with leg and bracket assembly. Ball, 700 each .221 spherical diameter material, steel, bar, C1015 to C1020 specification QQ-S-633, alternate, steel, wire, 1015 to 1020 specification QQ-W-461, carborize, case depth, .045 to .065 heat treat to surface hardness of rockwell C43 to C52. Case, 8.464 inches long by 3.968 inches wide by 1-3/8 inches high on a curved radius by 78 inch additional width for sighting section, one piece, material, plastic, polystyrene glass filled, type I, specification MIL-M-21347. Color green, similar to No. 34096 or 34102 of federal std-595. Cover, 8.651 inches long by 3.63 inches wide by 5/16 inches high, material, same as case above, segments and sections of case and cover are made up of varying wall thicknesses. Bracket, angle 2 ea, right angle, each leg. 705 inches long by .52 inches wide by .125 inches thick with two .196 inches long by .265 inch wide by 1.25 inch strip, hot rolled, specification, ASTM-A415. Leg. 4 ea, 4,398 inches spring, 4 ea, approved source, shakeproof, part no. 3502-10-56 stainless steel or government engineering approval required. Rivits, 4 ea, approved source, military standard. Washer, 92 ea, military standard. Steel, strip, inches long by .265 inch did meter by .010 inch thick with .385 inch flange edge, material, aluminum alloy, sheet, 1100F, flange edge, material, aluminum alloy, sheet, 1100F, specification LP-390 color same as case and L, specification and cover shall meet by .25 inch hole opposite end, .25 inch hole one end, .32 inch hole opposite end, .25 inch hole one end, .32 inch hole opposite end, .25 inch hole one end, .32 inch hole opposite end, .

APPI No. AP-77, Fuze,PD, M525, less head assembly, metal parts for, consists of 13 components, the major components are body, potentially, the major components are body, truncated cone, 1.77 inches long, maximum outside diameter of 1.93 inches, 1-1/2 - 12 thread on the outside of the base with a 1-1/8 - 20 on the outside of the base with a 1-1/8 - 20 on the outside of the base with a 1-1/8 - 20 on the outside of the base with a 1-1/8 - 20 on the outside of the base with a 1-1/8 - 12 thread on the outside of the outside of the base with a 1-1/8 - 12 thread on the outside of the base w

A108, pin, slider, gnide, .575 inchs long, slotted lead with 1/4 -28 thread on outside diameter, material, steel, bar, cold finished, 1117, 1212, 1213, ASTM A108, cup, hooster, 83 inches long, 1.128 inches outside diameter, with thickness varies from 110, to .064 inches, 1-1/8 - thread on outside diameter for approximately .225 inches at top of cup, material, aluminum alloy die casting compositions 12B, S12A, on SC 84A, ASTM B85, alternate material, aluminum attoy sheet, 1100, 3003, or 5052, ASTM B209, slider, 82 inches long, 462 inches in diameter, various slots, holes, material, aluminum alloy fod, ASTM B211, smaller components, consists of three helical springs, two plugs, a pin, and a safety wire. This item is considered difficult to produce in accordance with the applicable specifications.

APPI No. AP-78. Classified. Fuze, Grenade, M217. Confidential cleatance required to receive APPI.

APP1 No. ME-91. Crushing, Scienning and Washing Plant, Diesel engine and electric motor driven, 225 Tons per hour; consisting of mobile crushing units and auxiliary mobile equipment on pneumatic rubber tired wheels, arranged for towing behind trucks or tractors; complete with power units, electric drives, and conveyors for receiving raw materials, passing materials from unit to unit during processing, and stock piling finished product; 5 industrial type diesel engines; 5 electric motors, 208-416 volts, 60 cycles, 3 phase; 2 centrifugal pimps, gasoline engine driven; electric generator set, diesel engine driven, 100 KW standard Milliary set. This plant is used for the production of crushed rocks and crushed sand from gravel pits and rocks quarries for use as aggregate in cement concrete, asphaltic concrete, biuminous mixtures, or compacted road surfacing material. In accordance with MIL-C-13962A; FSN 3820-527-8577. No security clearance required to receive this APPI. USAMEC.

USAMEC.

APP1 No. ME-92. Mixer, Rotary Tiller. Signation self-propelled; the mixer consists a rotary soil tiller driven by an industrial ty diesel engine; and additive pump, gasoline engined riven, rotary positive displacement pump delivering liquified additives to spray bar at 200 GPM adjustable to handle any discharge rate between 40 GPM and 200 GPM with quiel acting type shittoff(speed indicator in feet perminute; with 2 sets of flat hook type tines; at components mounted on a welded steel chassis, with 4 pneumatic tired wheels; equipped with lift-ing and tie down attachments and tool box. The mixer shall pulvetize fine grained inorganic soils to a depth of 6 inches at a speed of 46 feet perminute. Mixer is intended to be used for mixing and blending stabilizing materials with subgrade soils in preparation of roads and airfields. In accordance with MIL-M-13081B; FSN 3895-254-8669. No security clearance required to receive this APPI. USAMEC.

APPI No. ME-93. Refrigeration unit, mechanical, panel mounted for refrigerator, prefabricated, panel type; consisting essentially of the evaporator section. Air cooled condenser section and e heat shield insulating panel structure betwer evaporator and condenser sections. Con tion and entire unit inclosed in a work and entire unit inclosed in a multicyling industrial type gasoline ene with errar cooled, producing cranking system; max dichiorodifluoromethy pressor, reciprocate electrical equir the following that type 12; complete with a cessary to provide and maintain a refrigerator with accessories, instruments and autt a cessary to provide and maintain a refrigerator temperature at any settin, ween minim 10 degrees F and phis section extending into opening provided in prefair-section extending into opening pro

APPI No. EA-27. Fuze, M201A1, FSN 1330-2939516. The M201A1 pyrotechnic fuze, is used to
ignite various chemical munitions such as smoke,
incendiary and riot control, hand grenades. This
incendiary and striker assembly; (c) tempered striker
spring; (d) hinge pin; (e) pull ring with colter
spring; (d) hinge pin; (e) pull ring with colter
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superstructure suitable for crane, clamshell, or dragline operations. The crane, logether with various items of front end operating attachments, is to be used for handling materials, lifting and transpositing loads for short distances, soil stripping, light duty carthmoving and pile driving. The front end dozet is for clearing obstructions which would impede the forward progress of the crane. It is not intended as a beavy duty bulldozer. In accordance with MIL-C-52341A; FSN 3810-060-2735. No secutive clearance is required to obtain this APPI.

APPI No. ME-14RI Revision. Tractor. Wheeled industrial; diest engine driven; medium drawbar; power shift type transmission in combination with torque convetter with a binged frame steering system, with two single front and two single rear, pneumatic fitted driving wheels. This tractor is equipped with an earthmoving, hydraulic operated, falling type buildozer with back rip scariffir teeth. It is capable of towing heavy scrapers and other construction equipment and its air transportable, in accordance with MIL-T-52272; FSN 2420-088-6685. No security clearance is required to obtain this APPI. USAMEC.

this APPI. USAMEC.

APPI No. ME-56RI Revision. Heater, Duct type, Portable. A pasoline burning self-contained, ground partable Fearer, having a nominal uncontominated warm air heat output of 400,000 BTU/IIR all a discharge temperature of 280 degrees F, at an ambient temperature of 280 degrees F, which can be operated as an entirely self-superful heater by using a gasoline power package. The heater wine an interclar security of the slave type heater using an interclar security of the slave type heater using an interclar security of the slave type heater using an interclar security of the slave type heater using an interclar security of the slave type heater using an interclar security of the slave type heater using an interclar security of the slave type heater as the slave type of the slave ty

APPI No. MI-56. lenier Assembly M58AI for MPROVED M50 HONEST JOHN ROCKET. Ignifer Assembly is manufactured from steel forgance and other handware. Assembly disc shaped, for in dismeter with a metal trail of the disc. Explosive and other handware Assembly and the center and a handle or strong trail of the disc. Explosive copy and the property of the Government Rect. 1914 of the disc. Explosive copy and the profession of the disc. Explosive copy and the profession of the disc. Explosive copy and the profession of the disc. Explosive copy and the control of the disc. It is a seen to be dead in June 66 interested firms should contact the Army Missile Command 4 [MI-10] in the disc. No clearance required to obtain APPI. It is a seen to be dead of the disc. Panel Mig; 500 rpm to 4000 rpm o/a range. 1007 equals 4000 rpm. Scale, 1, rpm, 5 to 4000 range of numerical marking. 100 rpm smallest increment, treatment, major and minor graduations fluorescent treated; 1 Pointer, rotating hand, fluorescent treated; 1 Pointer, rotating hand, fluorescent treated; 2 Pointer, rot

APPI No. AV-96. Indicator, turn and slip. Integral stabilization, pointer, 1. Used to show pitch of Acft. fluorescent finish, w/o Instrument Lamp, 28V DC. electrical connection, 1, 3- pin contnets, ANSI/02C-10SI-3P, 0/a dim., 5.5 in., deep, 3.5 in., II., panel mtd., MIL-1-7805, Type MD-3. FSN 6610-580-7922. Nn clearance required to obtain APPI. USAAVCOM.

APPI No. AV-97. Altimeter, pressure. Discovering the pressure of the state of the s 7/8 in. deep. 3 1/4 in deep. 3 1/4 i

APPI No. AV-95. Indicator, attitude. External stabilization, pointer, w/o instrument lamp, electrical connection, 3 contacts. In accordance with MIL-1-51338 Type J-8. FSN 5610-557-3101. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-98. Bracket assembly, access cover, latch support, application, CH-47 rolary wing afreraft. FSN 1560-064-9205. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-99. Valve, gate, aircraft, unitor opateil, firel application. Cll-47 rotary wing airaft. FSN 2915-739-2548. No charance required to bain APPI. USAAVCOM. crated, for

APPI No. AV-100. Harness, aircraft safety shoulder. Designed für one person, 1-3/4 ln. W. webbing, adjustable, 48 in. max adjustable ig., stoel buckle, in accordance with MIL-II-5364 (USAF). This procurement will be a 100% small business set aside. FSN 1680-485-3047. No clearance required to obtain APPI, USAAVCOM.

APPI No. MI-55. Box, Shipping and Storage for Motor M66A1, for 1MPROVED M50 HONEST JOHN ROCKET, Box is made of the and has metal components. Appn shall interiors are 198.66° long, 38.06° and 17.8° h h and welghs 1657 lbs. For the Samuel State of the Samuel Market Mark

APPI No. AT-62. Kit, repair, hydraulic, sleeve evlinder, Trincks 2-1/2 Ton. 6x6. SNL APP G742, G863 and G835. FSN 2530-040-2190. No clearance required to obtain APPI. USATAC.

API No. AT-63. Cylimler, hydrautle brake assembly for use on G741, 3/4 Tom, truck, 4x4, all models. FSN 2530-737-5400. Nn elearance required to obtain APPI, USATAC.

APPI No. AT-64. Bearing assembly, plain, self-aligning w/insert track suspension, shuck absorber sombher. In accordance with ORD DWG D-8382078, Rev F, dit 25 May 63, vehicle application G254, G256, G287, G292, G305. FSN 3120-692-9104. No clearance required to obtain APPI, USATAC.

APPL No. AT-65. Donr, cab, left assembly, (Includes glass, trim and hardware) trucks, 2-1/2 fund 10 fon, (D. 10 fon, D. 10 fon, (D. 10 fon, D. 10 fon, G. 10 fon, D. 10 fon, G. 10 fon, G.

APPI No. AT-66. Curtain, vehicle: Truck carga body, no. 8 cutton drick, olive drah, (fire, mililew, water ann weather resistant) 5 feet 4 inches x 3 feet 3-1/3 inches. Complete with ropes, hunks, fasteners, ann grommets. SNL APP G741. No clearance required to obtain APPI. USATAC,

APPI No. AT-67. Door, cale right assembliv, (includes glass trim and hardware) Trucks, 2-1/2 ton, 5 ton, 10 tim (6x6) SNL APP G742 (A/B), G744 (A/B), G792(A/B), FSN 2150-737-3294, No clearance required to obtain APPI, USATAC.

APPI No. E4.67. Receiver Transmitter Railin RT-505/PRC-25. Receives and transmits from signals in the frequency range of 30 to 75.95 MC. Pack mounted by hand for purtable use. Also has provisions for operating from a 24 V vehicle source. No. security clearance required for APPI, USAECOM.

APPI No. WE-37. Test Set, Ignition cult, capacitor-resistor. In accordance with MIL Spec MIL-7-13016. 0 to 15 OHMS, 0 to 160,000 OHMS and 0.1 to 0.5 Microfatail scale, DC, 5 V through 0 V weigh two leads, 9 ft. Ig with insulated clip terminals. Manufacturer must have equipment for making electrical tests of the unit. No security clearance required to obtain APPI. USAWECOM.

APPI No. WE-38, Circlinize, soldering Iron, non-electric. Round metal case, 1 29/32 in. lg. 3/4 in. dia. O/A, chemical filled metal case wyprimer percussion cap. Requires experience and facilities for handling and loading chemicals and knowledge of safety requirements handling inflammables and explosives. No security clearance is required to obtain APPI. USAWECOM.

APPI No. AV-89, Seat Assembly, Pilot, W/Armor, P/N 178061-1. Application, UH-1 Helicopter, FSN 1680-947-3440. No clearance required to obtain APPL USAAVCOM.

APPI No. AV-90. Sent Assembly. Co-Pilot.W/Armor. P/N 178062-1. Application. UII-1 Helicopter. FSN 1680-947-3441. No elegrance required to obtain APPI USAAVCOM.

APPI No. AV-91. Pump Submerged, P/N 205-050-606-3, Application UH-1 Helicopter. FSN 2915-999-3705. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-92. Generator DC. 30-Volt. alrerate eneine driven, Type GEU-5A. In necordance with Mit-G-6162. Application. UH-1 Helicopter. ESN 6115-725-1790. This is a OFL Item. Concerns interested in having their product tested and quali-

fied simulal contact the Bureau of Naval Weapons, Washington, D. C. No clearance required to obtain APPI USAAVCOM.

APPI No. AV-93. Thermometer, Type C-13B. Self indicating. Bi-metallic. In accordance with MIL-T-6508B. Application, Multiple Aircraft. FSN 6685-557-5316. No clearance required to obtain APPL USAAVCOM.

APPI No. FL.68. Multiniexer TD-204 () (U). Proviles facilities for Multiniexing pulse code modulated signals into one 48 channel pulse code modulated signal for use over video cable systems using cable assembly, special pulpose, electrical CX.4245/G. No security clearance required for APP1. USAECOM.

APPI No. EL-74, Radio Teletypewriter Set AN/ VSC-2(). Will provide SSB Volce, teletype and CW over 50 mile ground wave rance. Set is installed in a truck, cargo. 1/4 ton - M151 equipped w/100 AMP electrical system set will be used in early phase of airboine operation. Similar to, but not interchanceable with Railio Teletypewriter Set AN/ VSC-() No security clearance required to obtain APPI No. EL-75. Wire WD-1/A/TE CALLARY

APPI No. EL-75. Wire WD-I()/TT. General purpose twisted pair field communication wire. No security clearance required to obtain this APPI.

APPI No. EL.69. Mounting MT-1029 NRC. Shock mount for Receiver-Transmitter, Radio RT-246/VRC and RT/524/VRC. Contains a junction box which serves as a voltage distribution point. Three additional power and control connectors are located on its lower portion. No security clearance required to obtain APPI. USAECOM.

APPI No. FL-70. Distributor-Transmitter set, teletypewriter AN/GGC-9(). Used duplex one-way transmit operation of teletypewriter messages. No security clearance required for APPI. USAECOM.
APPI No. FL-71. Control. Intercommunication Set C-2298 () VRC. Provides the necessary interconnections to remotely operate a receiver-transmitter, supplies intercommunications facilities to the operator of the unit and operators within the system. No security clearance required to obtain APPI. ISAECOM. USAECOM.

NAPPI No. EL-72, Antenna AS-1729()/VRC. A vehicular mounted whitp antenna for use with a frequency modulated vehicular communications system operating in the frequency range of 30 to 75.95 mc. Matching unit is automatically adjusted to tune the antenna to perform at any frequency to which the radio set is tuned. No security clearance is required to obtain this APPI. USAECOM.

APPI No. EL-73. Radio set AN/PRC-25(). A short-range portable man-pack, battery operated FM Radio Set, for use over the freq. range of 30 to 75.95 MC. Capable of operating from a 24 V vehicular system when used with Amplifier-Power Supply Group OA 3633/GRC. No security clearance required to obtain this APPI. USAECOM.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated July 5, 1966 page 2 No. PSA 3778 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. AT-68. Differential Steering Control Assembly. The ORD 40875026 differential steering control is a component of the control system for tracked vehicles and is a manual operated mechanism used for pivot steering. This control assembly consists of the following components: a. case, b. input shaft, c. output shaft, d. band type brake, e. gear shafts, f. drive gears, g. anti-friction bearings, h. internal linkage, i, gaskets, j. seals, k. o-rings I. self locking nuts, m. hydraulic hose, n. eommon hardware. SNL APP G294 (A/B) G312A. FSN 2520-714-6135. No clearnnee required to obtain APPI. USATAC.

APPI No. AT-69. Regulator Generator, 25 AMP.

APPI No. AT-69. Regulator Generator, 25 AMP, 24 Volt. The ORD 8360020 Generator Regulator is used to control charging rate and voltage output of the engine mounted generator. It is a self-contained scaled unit normally mounted in engine compartment of vehicle. This regulator assembly consists of following components: a, cast base, b.

cast cover, c. sealing gaskets, d. terminal box, e. voltage regulator assembly, f. current regulatr assembly, g. clicuit breaker assembly, h. cover studs, SNL APP G245, G268, G289, G740, G741, G749, G838, G863, FSN 2920-335-4677 optional w/2920-953-9784, No clearance required to obtain APPI. USATAC.

USATAC.

APPI No. AT-70. Transmission Assembly. The ORD 10872096 transmission is used transmit driving power from the engine through selected gear ratios and speeds to driving wheels. This transmission is classed as a conventional syncromechang type with provision to mount a power take off unit. This transmission assembly consists of the following components: a case, b cover assembly, e, clutch housing, d, attaching parts, e, shift mechanism, f, gear shafts, g, gears, h, anti-friction bearings, i, seals, j, gaskets, k, common hardware, SNL APP G863 (A) FSN 2520-884-4833. No clearance required to obtain APPI, USATAC.

quired to obtain APPI. USATAC.

APPI No. AT-71. Generator. Engine Accessory.
25 AMP, 24 Voit. The ORD 10950805 generator is
an engine mounted, beit driven accessory used to
generate electric current for vehicle operation, and
in conjunction with a generator regulator is a
major component of vehicle electrical system. This
generator assembly consists of the following components: a armature, b. field coils, c rarbon
brushes, d. brush holders, e. cast end bells, f.
anti-friction bearlogs, g. steel shell, h. inbrication
fittings. SNL APP G741 (A/B) G749 (A/B) G838
(A) FSN 2920-903-9534. No clearance required to
obtain APP. USATAC.

APPI No. AT-72. Master Cylinder Assembly

obtain APP. USATAC.

APPI No. AT-72. Master Cylinder Assembly, is a component of the system. Movement of the brake pedal linkage causes a piston in the cylinder assembly to force fluid into the afr hydraulic cylinder which in turn through an air hydraulic piston actuates the wheel brake eylinder, C. This cylinder assembly consists of the following components: a. cast body, b. altuminum piston, c. steel spring, d. plastic cups, e bleeder valve, f. brass elbow. SNL APP G744 (A/B) FSN 253B-741-107B. No elearance required to obtain APPI. USATAC.

APPI No. AT-73. Boot Assembly. Steering

obtain APPI. USATAC.

APPI No. AT-73. Boot Assembly. Steering Knuckle. Front. The ORD 8327123 boot assembly is used to protect the exposed bearing surface of the steering knuckle during vehicle operation. This boot assembly consists of the following components: a non-metallic boot with attached zipper, b. steel funer boot clamp with screw and mut, c. stamped steel outer boot eight, d. screws for securing outer clamp ring to steering knuckle housing. SNL APP G744 (A/B) FSN 2530-832-7123. No clearance required to obtain APPI USA /123. No TAC.

TAC.

APPI No. AT-74. Head Cylinder w/valve Assembly. The ORD 8345154 cylinder head is a fiulish machined engine component which when instailed completes the combination chambers and valve assembly for respective engine. This head assembly consists of the following components: a cast cylinder head, b. vaive guldes, c. vaive locks, d. Intake valve oil seal, e. valve springs, f. tetainers, g. pipe plugs, h. expansion plugs, i. water nozzles, j. intake valves, k. exhaust valves, i. exhaust valve sep inserts. SNL APP G742 (A) G83H FSN 2805-040-2204. No security clearance required to obtain APP1. USATAC.

APPI No. AT-75. Winch Assembly, rear mounted.

to obtain APPI. USATAC.

APPI No. AT-75, Winch Assembly, rear mounted myrecker trucks and is mounted on wrecker body to rear of crane. It is a worm geared horizontal drim type equipped with Internal automatic brake, tever wind; and manual controlled (pneumatic operated cable tensioner. This winch assembly consists of the following components: a east drum, b, driving mechanism, c, automatic brake, d, swivel sheave assembly, e, level wind, f, cable tensioner, c, cable, h, mounting frame, I, controls, SNL APP G744 (A/B) FSN 2540-740-9980, No clearance, required to obtain this APPI. USATAC.

APPI No. AT-76, Track Assemblies and Components for Combat Vehicles, This is an advanced planning procurement listing of critical items defined by nomenciature and Federal Stock Nimber. Current and fulture fiscal year requirements for each of the listed items are being generated and will be available on request during the month of July 1966, In some instances, qualification tests are lequired and specified. No clearance is required to obtain this APPI. USATAC.

APPI No. ME-ISRI, Revision, Seraper, Earth-

APPI No. ME-ISRI, Revision, Seraper, Earthmoving, towed. Shall be air transportable, pneumatic-tired, hydraulically court of the law ing tractor with a seraper to tract of the towning tractor. The series to the court operator. When specified is the best of the court operator with a series to the court operator. When specified is the best of the seraper. Capacity of not less than 18 cubic yards. The components of the scraper shall withstand any amblent temperature from minus 25 degrees to plus 125 degrees, F.

The scraper shall withstand operation over unimproved terrain, convey operations, and earthmoving operations under varying weather conditions and on 20 per cent side slopes without breakage or permanent deformation. Shall load undisturbed soil, haul, dump or spread the soil, operate at a max, speed of 25 mph and an average speed of 20 mph when handing heaped loads. Load, without the use of a pusher tractor, undisturbed soil to a struk capacity of 18 cn. yards in 75 to 90 seconds, Cut at all depths from ground level to 15 inches below ground level. The scraper bowl shall be of the front loading, open-howf type complete with apram, bade base, ejector, cutting edges, and side bits. A push plate shall be provided at the rear of the scraper, also one or more rear towing looks able to withstand a pull of 100,000 pounds, min, throat opening 1-1/2 inches. Scraper shall be provided with tiedown attachments. Scraper is intended for general earthmoving work in the construction of roads and airfields. In accordance with MIL-S-52271, FSN 3805-990-4214, No secunity clearance required for APPI. USAMEC.

APPI No. ME-16RI, RevIslon, Generator Sets,

ance required for APPI. USAMEC.

APPI No. ME-16RI, RevIsion. Generator Sets, gasoline engine driven. 1.5 KW, alternating current, air cooled, portable, tubular frame, shock mounted. 60 cycle, 240 voits line to line, single phase. 1.0 power factor, self-excited. Equipped with a military standard engine. Model 2A016, manually crankeil by rope, overall dimensions 27-3/4 in. long. 20-3/8 in. wide, and 18-1/2 in high. Operating speed for the set is 3600 rpm. The sets are intended to supply power for general purpose use. In accordance with MIL-G 52282, type t; FSN, 6115-889-1446. No security clearance required for APPI. USAMEC.

APPI No. ME-20R1, Revision. Boat Bridge Erection, inboard engine. Two sections, aluminum hull, gasoline engine driven, two engines, 90 BHp per engine, twin sciew, overall dimensions 27 feet long, 8 feet 2 in wide. Boats are intended for pushing and maneuvering components of floating bridge. In accordance with MILB-13994; FSN 1940-27 9726. No security clearance required for APP USAMEC.

9726. No security clearance required for APP USAMEC.

APPI No. ME-22R1, Revision. Compressor, Ro lary, Power Driven. 250 efm free air delivered at 100 psi discharge pressure. The air compressor shall consist of a diesel engine, a compressing unit, safety equipment, a itousing, a receiver, cooling and regulating systems and related piping, gages, instruments and controls on a single unified steel frame mounted on a 2-wheel, pneumatic fried trailer, with suspension provisions for air delivery. With an adjustable automatic regulating system, industrial type Diesel Engine (MILIE-11276) with a flexible compled drive, individual air cleaners for the engine and compressing unit. Traiter chassis, ORD model M-353. The compressing unit shall be rotary of the sliding-vane or axial-screw type, operating at a speed of not more than 1,800 ipin. The housing to euclose the compressing unit, er gine and instrument shall be constructed of shee steel not less than 0.075 in, nominal thickness. Air receiver shall be constructed in accordance with ASME Boiler and Pressure Vessel Code, discharge line equipped with an air service manifold with 3/4 inch individually controlled service outlets. Equipped with two hose reets capable of familiary intermediates than one 50 foot length of air hose, 3/4 inch nominal size. With lifting and itedown attachments. The compressor shall shart and operate continually at ambient temperatures from minus 25 degrees F to plus 120 degrees F and at any elevation between sea levi to 5000 feet. The compressor are intended for use as portable sources of compressed air. In accordance with Mill. C.00555D: FSN 4310-984-5741. No security clerance required for APPI. USAMEC.

APPI No. ME-23R1, Revision. Lubricating and Servicing Unit. Power Operated. The instructions

FSN 4310-984-5741. No security clerance required for APPI. USAMEC.

APPI No. ME.23RI, Revision. Lubricating and Servicing Unit. Power Operated. The Inbricating and servicing unit (lubbicator) shall consist essentially of the following components: An enctosure. a 3-compartment lubricant container, air powered pumps, air compressor, air receiver engine, hose, hose reels and accessories. The lubricator components shall be assembled to a welded steel framework to form a self-contained unit mounted on a 1-two wheel trailer. The lubricator shall supply lubricants and compressed air for the maintenance of equipment under both normal and extreme climatic conditions. The gross weight of the lubricator Including accessories and jubricant container 3/4 full, shall not exceed 3.175 pounds. The sheet aluminum for enclosure shall be 0.0040 in. mln. nominal Ilickness. The lubricant container consists of a rectangular tank with 3 compartments not less than 27 gallons, with a lieat reservoir surrounding the compartment and a separate bottom heat compartment. Lubricant pumps shall be an industrial-type heavy duty, recipiocating, air powered pimp operating at an air pressure of 120 psig, provided with an adapter to permit use of 120 pound drims. One transfer pump, air-powered, reciprocating, not less than 1 to 1 ratio, furnished and fitted for use with 55 gal oil drums, with an extension, adapters, hose and other accessories.

The air compressor shall be a 2live air condition of the first pressure of
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the course when the superstructure dick section is recreif, of dearers by hydraulic power and art may be not into position. Each deck end has been purely been purely being the sections. This fact is at operated section can accommodate here is the control section of a commodate here is not feet above water level and 2 feet level water level and 2 feet level water level. The section of the secti

APPI No. MF-27Rf, Revision, Tank register 10,000 gatton capacity or stor-tection products. The trick stell consist on the barrier more table on a vent this are self-trick table on a went consistent and the trick ambles of the body fakers. F. ill be nylon-66 eight im wurdes per sq. yd.)

for double ply fabric of 8.4 to 8.8 for the ontside ply and 2.3 to 2.5 for the inside ply. Single ply tabric 13.0 plus or mirus 0.2 ounce per sq. yd. Coating compound shall be resistant to hydrocarbon fuels. Tank shall be fabricated and vulcanized as a complete unit in a steam pressure-type autoclave. Fark handles shall be of rubber coated, nylon fabric and withstand a pull of 1,000 pounds for not less than one minute. Tank shall not leak and there shall be no evidence of seepage when the tank contains 10,000 gallons of fuel, no air leakage when under an internal pressure of 1 psi. Vent assembly, pressure relief valve shall open when tank is subjected to an internal pressure of 3 Inches of water. Filler elbows assemblies shall withstand a hydrostatic pressure of 15 psi without failure. Tank is made in accordance with DL 13200E6380 and MIL-T-12260. The tank assembly is Intended to be used for the storage of bydrocarbon products in connection with lightweight hose line fuel supply systems. The complete Tank Assembly shall conform to Drawing D-13200E6370. Components are listed in the Army Supply Catalog SC5430-93-CL-101; FSN 5430-6418552. No security clerance is required to obtain APP1. USAMEC.

APPI No. ME-28R1, RevIsion. Ditching Machine, diesel engine driven. ladder type. The ditching ma-

systems. The complete Tank Assembly shall contour the first shared to the halt in hotter chares, trouble in history chares to his many the state of the halt in history chares to his many the halt in history chares to his many the history chares to his many the history chares to history chares the history char

APPI No. WE-40. Key, windage, P/N B7791020, a small aims weapon sight part precision cast steel or forging, case or machined to dimensions, heat treated and phosphate coaled. Moderately difficult part to make. No security clearance required to receive APPI. USAWECOM.

APPI No. WE-41. Nut. locking, P/N B7791021, a small arms weapon sight part steel, screw muchine litem, heat treated and phosphate coated. Relatively an easy item to produce. No security clearance required to teceive APPI. USAWECOM.

APPI No. WE-42. Pin. firing. P/N B7790628. a small arms weapon part, 6150 steel, turned milled, feat treated. Moderately difficult to make. No escurity clearance required to receive APPI. USAWECOM.

APPI No. WE-43. Retainer, P/N B7790643, a small arms weapon part, alloy steel, turneil, drilled, heat treated and phosphiate coated. Relatively easy to manufacture. No security clearance required to receive APPI, USAWECOM.

APPI No. WE-44. Scrow, P/N B7790647, n small arms weapon, special screw 10-32 NF-2A threads, special fillister heat, slotted, 8620 steel heat treated. No security clearance required to obtain APPI, the AWECOM.

APPI No. WE-45. Guard assembly, trigger, P/N C7790613, a small arms weapon part, two slamped carried is trivial anna weapon part, two stamped steel parts riveted together, drilling, counterstaking and dehirring required. Phosphate finish. Relatively easy to make. No security clearance required to oblitain APPI. USAWIECOM.

APPI No. WE-46. Spring trigger, P/N f17790641, a small arms weapon part. A stamped and formed flat spring, heat treated. Relatively easy to make. No security clearance required for APPI. USA

APPI No. WE-47. Screw driver and wrench combination/brosh, P/N B7791570, a special tool for small arms weapons, machined, heat treated and assembled with brush. No security clearance required for APPI. USAWECOM.

APPI Nu. WE-48. Base frame, P/N D77991012 a small arms weapon part, precision alloy steel casting or forging, machined, graduation lines inscribed, lieat treated, phosphate coated, Moderately difficult to make. No security clearance required to obtain APPL USAWECOM.

APPI No. WE 49. Plunger, P/N A7791022, a small arms weapon part, a small high carbon steel solid pin with spherical radius on one end, heat treated and phosphale finish. Relatively easy to Preated and phosphale finish. Relatively easy to produce. No security clearance required to obtain APPL USAWECOM.

APPI No. WE-50, Screw, aperture, P/N B7791024 a small arms weapon part, a special screw, 2-64 thread, with shoulder and hutton heat, medhim carbon steel, heat treated phosphate finish. No. security clearance required to obtain APPI. USA WECOM

APPI No. WE-51, Screw, windage, P/N C7791026, a small arms weapon part, a special screw, 1-28 thread, large thumb grip head, shoulder under head turned diameter at point. Heat treated and phosphate finish. Moderately difficult. No security character required to obtain APPJ HEAMUGGMA tilrhed diameter at point, heat treated and phos-phate finish. Moderately difficult, Na security clearance required to obtain APPI, USAWECOM.

APPI No. WE-52. Spring, helical, P/N B7791027, a small arms weapon part, 018 music wine free length, 937 coll diameter 0.090 ends closed, and ground stress relieved, no surface treatment. No clearance required to obtain APPI. USA eeuriav WECOM.

APPI No. WE-53. Base sight, P/N D7791013, a small arms weapon parl made from a precision steel easting or a forging, machined, heat treated and phosphate coated, Moderately difficult to make. No security clearance required to obtain APPI. and phosphate No security of USAWECOM.

Appr No VVI to Trier, C77910141 a small research put bace to alloy steel bar precision seed grant light their trented, phosphate of a factor relating to the committee of the co

APPI N 15, a smy againstamped, a additional and a smy a additional and a smy a Skin pit Sembly, steel, and the scale Price are heal scale. Price are heal scale. Price are heal scale. assembly reantred to obtain APPI, USAWECOM.

APPI Nu. WE-56. Arm cocking, P/N C7791353, a small arms wenpon part, precision alloy steel easting or forging, heat treated and phosphinte coated. Relatively easy to make. No security clearance required to obtain APPI. USAWIECOM.

APPI No. WE-57. Bracket, fore end, P/N C7791 355, a small arms weapon part, precision steel custing or forging, medium curion sleel, machined, heat treated and phosphate finished. Moderately difficult. No security clearnnee required to obtain APPI. USAWECOM.

APPI No. WE-58, Sight, from, P/N D7791568, small arms weapon part, precision steel casting r forging, machined, heat treated and phosphale nish. Relatively easy to make. No security clearance required to obtain APPI, USAWECOM.

APPI No. WE-59. Case, P/N F7790630, a small arms accessory case, cotton duck and weibbing with eyelets. Typical canvas product stiched and riveted construction. No security clearance required to obtain APPI, USAWECOM.

APPI No. WE-60. Thong. P/N B7790631, nylot cord with a served lnop on each end. Ahout 24 in. long. No security clearance required to ohtain APPI. USAWECOM.

APPI No. WE-61. Brush, cleming, P/N A7790

667, synthetic bristles held in a crimped aluminum ferrule with a short threaded steel wine core. No security clearance required to receive APPI, USA WECOM.

APPI No. WE-62. Spring, helical, P/N B7791028, 01 SIC wine spring, coil diameter .057, free length .247, ends closed and ground, square, stress relicing no finish. No security clearance required to obtain APPI. USAWECOM.

tain APPI. USAWECOM.

APPI No. MI-57. Allguident Test ter, Shilletagh. This is an openful die ceed tescope which is temporarily and the grant of the magnetic term of the property of the magnetic term of the property of the magnetic term of the target. No Federal collections set-aside. ConFidential clearance required to obtain APPI. USAMICOM.

APPI No. MI-58. Chaparral Missile Launch and Control Pallet mounted on GFE tracked vehicle with Organizational and Field Maintenance Shop Sets. The pallet is constructed as a self contained unit with a central guinner's turret with 4 launch ralls, 2 on each side. The Launcher and Control Pallet is capable of being removed from the vehicles and temporarily mounted on other vehicles or on the ground. No Federal Stock Number Assigned, Confidential clearance required to obtain APPI. USAMICOM.

APPI No. EL-76. MESSAGE CENTER AN/GSQ-

APPI No. EL.76. MESSAGE CENTER AN/GSQ-Provides complete facilities for receipt, sorting and distribution of mail as well as providing other nessage center functions. No security clearance re-quired to obtain APPI. USAECOM.

APPI No. EL-77. REPEATER SET RADIO AND TRC-110. Provides a 12 or 24 channel radio repeater for use between Corps and Army within the Army Area Communication System. No security clearance required to obtain APPI. USAECOM.

clearance required to obtain APPI. USAECOM.

APPI No. EL-78. TRANSMITTING SET, RADAR DATA. AN/ART-18. Compresses the target video and encodes data obtained from the Radar Surveillance Sets AN/APS-94 or AN/APS-94A, into suitable form for modulation of all FM transmitter which transmits data over a UHF link to the ground station Receiving Set, Radar Data AN/TKQ-2 for further processing. No security required to obtain APP1. USAECOM.

APPI No. EL-79. RECEIVING SET, RADAR DATA AN/TKQ-2. Receives encoded radio signals from the Transmitting set, Radar Data AN/AKT-18, separates video data from synchronizing and anylgation data and presents the video signals on CRT's. Includes facilities for progressively processing and viewing photographic film. No security required to obtain APP1. USAECOM.

APPI No. EL-80. SURVEILLANCE INFORMA-

clearence required to obtain APPI. USAECOM.

APPI No. EL-80. SURVEILLANCE INFORMATION CENTER INFRARED. Receives information
from the Detecting Set. Infrared AN/AAS-14
processes it and presents the information to the
operator visually on the Indicator. Terrain Display
IP-595/U and at the same time is recorded on
pliotographic film for inter developing and interpretation. No security clearance required to obtain
APPI. USAECOM.

APPI No. AV-95R-1, Indicator, attitude stabilization, with fluorescent CPS 3-phase

CANCELLED SEPT 6, nem. Interested incer product tested and approved. No clear-ance required to receive APPI. USAAVCOM.

APPI No. AV-96R-I. Indicator, turn and slip. Integral stabilization, pointer, 1. Used to show pitch of Aeft., fluorescent finish, w/o instrument lamp, 28V DC., Electrical counection, I. 3-pin contacts, AN3102C-10S1-3P, O/A dlm., 5.5 in. deep, 3.5 in. H, panel mtd., ML-1-7805, Type MD-8, FSN APPI. USAAVCOM.

APPI No. AV-97. Consideration of the contacts of the contacts of the contacts of the contact of the co

APPI No. AV-97, Cancellation of APPI, Previously published as AV-97 in Jime 7 1966 issue of Commerce Business Daily, this APPI is hereby cancelled on request of the requiring activity of this command. AV-97, altimeter, pressure, is replaced by AV-101, this issue, USAAVCOM.

placeu by AV-101, this issue, USAAVCOM.

APPI No. AV-101. Altimeter, pressure. Type AA
U-8/A. In accordance with MIL-A-27229A (USAF)
w/amendments. FSN 6610-722-0967. Appl., multiple
alreraft. This is a QPL item. Interested eoncerns
should contact Wright-Patterson AFB, to have thefr
product tested and approved. No elearance required to obtain APPI. USAAVCOM.

APPI No. AV-102. Indicator, temperature, electrical resistance. Dial, 1 scalc, temp., scale, minus 50 deg., to plus 50 deg., C scalc range, 5 deg., graduated increments, finish of graduations, fluorescent Itliers, numerals and lined increments, Dia, of dall per MIL-I-8075, pointer, clock hand type, fluorescent illuminated, encased, w/o instrument lamp socket, electrical, 24 V DC, 1 electrical connection, 4 pin contacts, and 10066D1452P, O/A dim., per MII sid MS28008, panel mtg., type, Dia, of body per MS28008, MIL-I-8075, MS28008, MSS of body per MS28008, MIL-I-8075, MS28008, MSS 6685-11, FSN 6685-57-0372. No clearance required to receive APPI. USAAVCOM.

ness and plint est. Requires temperature, electrical conputation, and chemists. Very difficult to manufacture to applicable specs. No clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-15-Revision 1, (APPI No. AP-15)
Ammunition Item Metal fabrication projectile TP-T900MM M353 MPTS (4.2" max. long x 3.517" OD, Body is one piece design 11(15" x 3.537" OD, and the properties of the manufacture to applicable specs. No clearance required to receive APPI. No. AP-15
APPI No. AP-15-Revision 1, (APPI No. AP-15)
Ammunition Item Metal fabrication projectile TP-T900MM M353 MPTS (4.2" max. long x 3.517" OD, Body is one piece design 11(15" x 3.3537" OD, Body is one piece design 11(15" x 3.3537" OD, Body is one piece design 11(15" x 3.357" OD x 1.255" wide X 2.1" thick material, sted, HR carbon bars, excluding bassemer stock; rotating band 3.55" OD X 1.255" wide X 2.1" thick material, sliding metal, class B annealed; wind to obtain APPI. USAAVCOM.

APPI No. AV-103. Shipping and storage container, transmission. Steel, enameled finish, cylindrical, designed for nttp., the item to be accommodated W/its longitudinal axis perpendicular to the base. O/A dim., 3 ft 9 1/2 in. dia., 4 ft 9 in. H., P/N 204-030MUSC1 transmission to be accommodated. FSN 8115-701-9867. This procurement will be a 100% small business sct-nside. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-104. Trailer, aircraft engine. Frame, aluminum, riveted, wheel, 4.21 in, din., pneumatic tires, O/A dim., 97 in lp., 56 in wide, 41 1/2 in. H., w/drawbar, pole, designed for 133, 35, 47, 48, 65 T34, 40 and 56 engines. FSN 1740-516-7929. No clearance required to obtain APPI, USAAVCOM.

APPI No. AV-10S. Pump, submerged aircraft. For use on CH-47 rotary wing aircraft. FSN 2915-780-4413. Lear Siegler P/N RG12200A and veriol P/N 14P4111-2 and 11404111-2. No clearance required to obtain APPI, USAAVCOM.

NOTE: The APPI bearing the following numbers APPI No. AP-3, APPI No. AP-5, APPI No. AP-1, aPPI No. AP-11, and APPI No. AP-15 are revisions (reprints) and were previously published as APPI synopses. Additional suppliers are welcomed for these APPI lients.

suppliers are welcomed for these APPI Items.

APPI No. AP-3-Revision I, (APPI No. AP3)
Ammunition item metal fabrication. Projectile IIE
175mm M437 mpts assembly. Approximately 34 inches
long. 10 components, 6.88 inch outside diameter,
parabolic shape with tapered base section. Steel
ASTMA 273-58T sections 1-14 inclusive for hot
forge and heat treat method. Production requires
highly technical staff engineers, inctallurgists, chemists, and tool designers. Considered very difficult to
produce to applicable specifications. APSA-USAMUCOM. Secret clearance required.

APPI No. AP-S-Revision I. (APPI No. AP5)

API No. AP-S. Revision I, (APPI No. APS) Animanition Item Metal Fabrication. Case Cartridge 105mm XM 150B1 one piece design 24.31 Inches long by 5.133 Inches outside diameter at base tapered to 4.115 inches at mouth threaded and counter-bored primer hole in base. Fabricated from a spherodized 1030 steel disc. Case is fully heat-treated zinc plated and chormate treated. No clearance required. USA Munitions Command-APSA.

clearance required. USA Munitions Command-APSA.

APPI No. AP-II-Revision I, (APPI No. AP-II)
Loaded item - Simulator Artillery Gonflash, M110
(STD A) with squib, electric, M72 Procured loaded, wt, 69 lbs per box of 24. Container, outer, liollow black plastic cylinder, 7.81" long X 1.88" O.D. 1/2" threaded hole in top, botton end attached to shoulder on inner cumainer. Filling plug red plastic sfotted and threaded. Container inner, holidaw black plastic cylinder, 6-7/8" X 1-1/4" O.D. with external flange at base furming seat for outer container and internal thread. Pyrotechnic charge in finner container consists 80 grams composition contribing magnexium powder and oxidize, Adapter holder is black plastic with well for electric squib, Requires technical staff and facilities for building and handling of pyrotechnics. Somewhat difficult to manufacture to applicable specs. No clearance required to receive APPI. APSA USAMUCOM.

APPI No. AP-8-Revision 1. (APPI No. AP-8)

to receive APPI. APSA USAMUCOM.

APPI No. AP-8-Revision 1, (APPI No. AP-8)
Metal Fabrication Warhead Section, GM, Training
Missile, XM2D9 approx. 6" in dia., 20.46" long,
Major compunents: Ogive, inert, approx. 6" dia.
4-3/4" fight, tt5f" wall, aluminum alloy sheet 6tt610, leat-treat after forming: shroud, inert, approx.
6" dia. external key 16-1/4" long, varying wall
thickness, embossed, material aluminum alloy 2014,
T6 extruded; ballast, solid cylinder and cone shape,
approx. 5.7" dia. 6-5/8" long, material, aluminum
alloy, assembly with clinch mits, machine screws
and tapping screws. Total assembly weight must be
within spec limits. Competent staff technical eugineers and metallurgists required. Difficult to produce to applicable specs, No clearance required to
receive APPI. APSA-USAMUCOM.

APPI No. AP-10-Revision 1, (APPI No. AP-10)

receive APPI. APSA-USAMUCOM.

APPI No. AP-10-Revision 1, (APPI No. AP-10) Metal Fabrication - Case. Cartridge, 40MM, M118. MPTS. 1817" long X 1.624" O.D.; varying wall thickness .162" to .030". Case "cup shape" will laternal protrusion .845" dia. X .557" liigh in base section with six (6) .1660" boles around protrusion; rim 1.719" dia. X .1880" wide machines on base. Material, aluminium alloy, bar. .2024. T6; cup powder charge .406" dia. X .365" bigh X .0055" wall thickness with flared mouth, material, brass strip, annealed. Finished case must withstand hydrostatic test of 48,000 PSI min, 240 hr.sult spray test, hardness and pull test. Requires competent emineering staff, metallurgists and chemists. Very difficult to manufacture to applicable specs. No clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-15-Revision 1, (APPI No. AP-15)

alloy die casting comp A380 body and windshield assembled with thread sealing compound, cleaned and painted; plus of abunimum altoy aurodine finish; disc., pilobond 20 sealed into plug with adhesive. Subjected to rigid inspection. Manufacturing firms bidding this item will require highly competent staff of engineers, metallurgists, chemists and fool and the engineers. Very difficult to manufacture to Government spees, in large quantity. No clearance required to receive APPL AP-USAMUCOM.

ernment spees, in large quantity. No clearance required to receive APPI. AP-USAMUCOM.

APPI No: AP-67-Revision I. Anuminition Item Cartridge HE M374. Mpts for 81MM Mortar Body Assembly, 10.403 inches maximum length by 3.184 inches outside diameter consists of (4) component parts, body 9.50 inches long by 3.182 inches diameter near center tapered to 2.38 inches diameter at front end and 1.835 inches at rear end with varying thickness from .185 inches to .25 inches, nose thread 2.00-12NS-1B, end bore to 1.62 inches for brazed in adapter, material pearlitic malleable iron grad 50007. Specification MIL-C-46971 physical properties yield strength 50,000 PSI minimum, 1 percent off-set elongation-7 percent minimum adapter, base, 1.26 inches long by 1.800 inches maximum diameter, one end threaded 1-1/8-18NEF-2A, material, carbon steel, special bar quality, ASTM Specification A107, or A108 applies, alternate material, pearlitic malleable iron, Grade 50007. Specification MIL-C-46971, physical properties, yield strength 40,000 PIS minimum. 1 percent offset 10 percent minimum elongation, mechanical property requirements of MIL-C-46971 apply for alternate material, cover, base, 1.02 inch diameter by .2099 inch thick material, cold rolled curbon steel strip, temper number 4, ASTM Specification A109 applies, Adapter, base is brazed 360 degrees to withstand 5000 PSI lydrostatic test and 150 pound PSI air test, BOD requires 100 percent ultrasonic inspection and magnagio.

Bland, obturating, 3.500 inch diameter by .187 inches tiles metally described and strength of the percent of the properties of the percent of the p

nagio.

Thand, obturating, 3.500 inch diameter by .187 inches thick, material, pipe, plastic, Specification PA-PD-2521, body assembly prior to assembly of band, obturating requires phosphate coat and paint. Manufacturing firms bidding this tiem will requiral highly competent staff of Engineers, Metallurgist: Chemists and Tool Design Engineers to design fabricate and maintain precision tools required formass production of this item. This item is considere very difficult to produce to applicable specifications. No clearance required to receive APPI. AP-USA-MUCOM.

No clearance required to receive APPI. AP-USA-MUCOM.

APPI Nn. AP-68-Revelon 1, Amminition ItemProjectile, body and ban assembly, WP, M375, 81

MM consisting of two components, Body, 10 Inches
long, varying in outside diamets from 2.595 inches
at nose to 3.115 inches on bourrelet to 1.705 inches
at the hase, varying wall thickness .235 inches on
bourrelet, .20 inches at mid-section, .185 Inches ar
ASE section, machined internally in nose section
to accept press lit burster casing, threaded externally at base to accept fin assembly, outside diameter of body grooved 360 degrees to accept
octurating band, material, steel, non-resulphirrized,
carbon bar, hot-rolled, special quality, ASTM Speclication A107, alternate material, steel, non-resulphirrized, Specification MIU-S-11310, yield strength
60,000 PS1, 1 percent offset, 12 percent elongation,
An obturating band 3.500 inch outside diameter by
.187 inches thick, inside diameter 2.895 inches, six
60 degree by .037 inches deep grooves equally
spaced inside of band, material, pipe, plastic, Specification PA-PD-2521, Firms bidding this item must
have qualified Metallurgists, Chemists and Tool
Designers to fabricate this item in accordance with
applicable specifications. No clearance required to
obtain APPI, AP-USAMUCOM.

APPI No, FA-36, Ctg. Cal. .22 Ball, long rifle;
lead bullet commercial design, contains non corro-

APPI No. FA-36, Ctg. Cal. .22 Ball, long rifle; lead bullet, commercial design, contains non corrosive and nonmercuric printer composition, ctg. case is rimitre type: FSN1305-(AO86); no clearance required. FA-USAMUCOM.

APPI No. FA-37, Ctg., Cal. .45 Ball M1911 service grade; consists of gliding metal-clad steel or copper-plated steel jacket and a slug of lead antimony; FSN 1305-(A475); no clearance required. FA USA-MICOM MUCOM.

MUCOM.

APPI No. EA-8-RI, Cryptographic equipment destroyer, incendiary, TH4, M1A2, FSN 1375-834-8884 is a flat steel container 21" x 15" - 1-1/4", filled with approx 30 lbs of thermate (TH4), ignited either electrically or manually by means of an ignitior system contsisting of two M209 electric fizes and one M210 incendiary fize for manual operation. The fuzing system is located in the top cover of the container which is separately assembled and slip fitted over the body and taped into place. Item is used for the emergency destruction of cryptographic equipment. No security clearance is required to receive this APPI. EA-USAMUCOM.

APPI No. MK-93. Cancellation of APPI. Refrigeration Unit, published previously as APPI No. ME-93. Refrigeration Unit, Mcchanical, synopsize in 7 June 1966 issue of Commerce Business Daily is hereby cancelled by USAMEC.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY spublished by the U.S. Dept. of Commerce, Chicago, III.) issue, dated August 2.1966 page 2, No. PSA with the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column I first three paragraphs.

APPI No. MI-19 (Coramer for Redayo Launch P 7) and senta or is contributed of two .08 K tent 14 alicentary seeks, top and butto The second of its convented of two 050° of 14 alternate seeks, top and buttom of old with 16 cam tarting. The shells outen the seek with a page tripidly and 18 deve 14 color on the seek the support of the seek the support of the seek the support of the seek the seek the support of the seek the seek the support of the seek the \*15.5 for LFT18.5 wide X 12.5" high. While this flower in wreproble it is not final. Drogan proposals a strice weight and schipe of the container with foodboxy presention are subsided. No Federal Cox No meter Assured Procurement may be a simple to make set aside. Confidential clearance it with a series APPL USAMICOM.

APPI So Miles Radar Brazon, X-Band, as de-dered to Membe formen Specification (MIS) \*\* dered to Miss limb to be used for forms on the Might MD Good for December and construction of positions of the industry of the Miss and the sections of the Miss and the section of the magnitudes of the section shall be Prince and construction 1960 must be in discording to be according to the construction of the construction

APPI has MIAI Contract Definition Phase for the New York has a successful Definition Phase for the New York has a successful Definition Phase for the New York has a successful Definition of the New York has been and the Section and earlier accomplished, and the Art of the Art Defence compared to the Art of the Art Defence compared to the Art of the A

APPE An MI-63 United Reuniver/Decoder, as if it for the sound interest. Specification MIS-10138, used it for the sound interest is precised to precede a larger of the command information and provided virging the receiver to target missile auto-pitol depression for the controls larged missiles missile and pitol depression and provided to the formation of the controls larged missiles of the controls larged missiles of the formation of the controls and the controls are the controls and the controls are the controls and the controls are the controls and the control of the c

APPI WAMICOM.

APPI No. AA-96R.2. Indicator. Turn and Slip.

Formal Striberation, Pointer, LUsed to show pitch

for a frequency funds, with instrument tamp;

Above to electrical connection, 1, 3 pin contacts,

70. Finel per MIL-17600, Type MID-8. FSN 6610
1-80. AVI. 191.

APPI vs. AV.106. Indicator, Verifical Velocity, the first same award and descent. O to 3,000 fr per flowing same 100 fr per min randomate increments, the flowing same 100 fr per min randomate in the flowing same 100 fr per min randomate in the flowing same 100 from 100 fro

APPS No. AV-187. Grip Assembly Controller, their Planta for Period type; finar mitchest type; finar mitchest type; finish for their period for and 155 m min. L.157 in max dia. Services I peak busines type. July in Ig gipl; lin total to besten the side keation. I toggle type after location. I frigger type, upper front toggle are location. I frigger type, upper front toggle type. Carriers of the side and the first form toggle type. Carriers of the side and t APPI No. AV-187.

APPR No. A. 186. Ladder. Alterafi Boarding. hord give emerged we monitored rubber contour pads, tode 18th Marinesia. 35.14 in he, rung or step of steel 1240 to be, trainless steel fread, equipped

with attachment liooks, designed for Model U-1A Acfi. FSN 1730-963-6851. This procurement will be a 100% small business set aside. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-109. Control. Remote, Fire Extinguisher. For use on army aircraft. Ordnance Orawing No. 7968270, FSN 1680-182-3897. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-110. Shipping and Storage Con-Art 1 No. Av-10. Suppling and Storage Con-rainer. For acit rotor blades, appx. 25 it in length. Anticipare that complete set of drawings will be available for competitive procurement. FSN 8115-919-0176. No clearance required to obtain APPI. USAAVCOM.

USAAVCOM.

APPI No. AT-77. Engine, Diesel, Turbo-Charged. The Ord 5703272 engine is an 8 cylinder, V Type, turbo-charged, compression ignition power pack for a tracked vehicle. This engine assembly has the following basic characteristics: (a) 2 cycle (b) displacement—568 cu in (c) hore—4.25 in (d) stroke—5 in (e) max GHP 275,2300 RPM (f) max NHP 325/2300 RPM (g) max gross torque—959 ft/lll/1700 RPM (h) max net torque—875 ft/lb/1600 RPM (i) Main cooling system: liquid [j] oil cooling system: liquid (kt oil capacity—26 qts. SNL APP G309[A) Model—8V71T FSN 2815-987-8669. No clearance required to obtain APPI. USATAC.

APPI No. AT-78. Engine multi-fuel with con-

required to obtain APPI. USATAC.

APPI No. AT-78. Engine, multi-fuel with container. The Ord 5702688 engine is a 6 cylinder multi-fuel engine with fuel density compensator, compression ignirion power pack for a wheeled vehicle. This engine assembly has the following basic characteristics: (a) 4 cycle (b) displacement—478 cu in (c) borc—4.56 in (d) stroke—4.87 in (e) max GHP 140/2610 RPM (f) min gross torque—330 ft/bs/1400 RPM (g) main cooling system: liquid (h) cit cooting system: liquid (l) cit capacity—22 qts. SNL APP G742 model—LD 455. FSN 2815-010-5169. No clearance required to obtain APPI. USA-TAC.

API No. AT-79. Engine, multi-fuel with container. The Ord 5702683 engine is a six cylinder multi-fuet engine with fuel density compensator, rurba-charged compression ignition power pack for wheeled vehicle. This engine assembly has the following basic characteristics: (a) 4 cycle (b) displacement—478 cu in (c) bore—4.56 in (d) 549 3—4.87 in (e) max GHP 210/2800 RPM (f) min gross lequue—330 ft/tbs/1450 RPM (g) main cooling system: tiquid (h) oil cooling—liquid (i) oil capacity—22 qrs SNL APP G744 Model LDS 465-tA FSN 2815-91-3645 (2815-075-0087). No clearance required to obtain APPL USATAC.

APPI No. AT-80. Pump. Centrifugal, water or gasoline, w/o strainer assembly. The Ord 10047464 pump is a side delivery, vame type power take off driven unit used to transfer gasoline or water from the 2-1/2 ion series tank trucks. This pump assembly consists of fotlowing components: (a) cylinder (b) liner (c) 49594 2/shaft |d) vanes (e) springs (f) heads (g) covers (h) flanges (f) valves (f) seal (k) antifriction bearings |II) shaft sleeves (m) plus (n) common hardware SNL APP G742 (tank truck), FSN 2590-912-3879. No clearance required to obttain APPI. USATAC.

APPI. USAIAC.

APPI No. AT-81. Shaft Assembly, propeller, front axle. The Ord 7351101 shaft assembly is a component of vehicle power train and is used to transmit power from the power take-off to from axle. This shaft assembly consists of following component: (a) steel tube (b) spline shafts (c) universal joints (d) mounting flanges (e) oil seals (f) lubrication fittings (g) common hardware SNL APP G741. FSN 2520-735-1101. No clearance required to obtain APPI. USATAC.

APPI No. AT-82. Armshure Generator Assembly

APPI No. AT-82. Armature, Generator Assembly, 24 Volt. This Ord 10950809 armature is the rotating member of the generator assembly and a major component of the vehicle electrical generating system. This armature assembly consists of the following components: (a) laminated iron core (b) copper coll windings (c) copper commutator (d) insulation (e) steel shoft. SNL APP G742, G293, G749, G792, G838 (autolite and prestolite generators). FSN 2920-137. No clearance required to obtain APPI.

USATAC.

APPI No. AT-83. Tire pneumatic, 11:00 X 20, 12 Ply NDCC, Nylon Truck and Bus. The ORD 515110 pneumatic tire is a major component on the traction system for a wheeled vehicle. This rire assembly has the following basic characteristics: (a) ply rating—12 (b) type classification—TRC and (c) max rated foad—5150 lbs. (f) inflation pressure—NDCC (d) cord material—nylon 75 PSI (g) APP width 12.6 in (h) APP dia—44.5 in specification MIL-T-46729A SNL APP—Multiple. FSN 2610-262-8653. No clearance required to obtain APPI. USATAC.

APPI. USAFAU.

APPI No. AT-84. Tire pneumatic, 7:00 X 16.
6 Ply NDCC, nylon, it truck. The ORD 7342996 iton system for a wheeled vehicle. This tre assembly has the following basic characteristics: (a) ply rating 6 (b) type classification—ft truck (c) tread type—

NDCC (ii) cord material—nylin (c) max rated load —1200 lbs (f) inflation pressure—50 PSI (a) APP illa—31.5 in Specification MIL-T-46729A. SNL APP—Multiple, FSN 2610-678. 1363. No clearance required to obtain APPL—USA-TAC.

APPI No. WE-63, Mechanism Assembly, Elevating, P/N 55(62) A machine of triping sub-assembly fands of triping sub-assembly fands of triping sub-assembly fands of triping of machine success for positional sub-assembly fands of triping of triping and triping of triping of triping and triping of trip

APPI No. WE-64. Plate assembly, Back, P/N 779361. A small machine gun compunent consisting of a wellfel assembly. Parts include a carbin steel stamping and alloy steel furging or precision custing. Heat treatment and phosphate surface finished are required. No clearance required to obtain APPI, USAWECOM.

APPI No. WE-65. Breech Inck Assembly, P/N 11013422. An assembly for a machine gun. The main component is a breech lack machined from alloy steel and heat treated. The assembly is to the proof fired followed by magnetic particle inspection. No clearance required to obtain APPI, USAWECOM.

APPI No. WE-66. Feed slide assembly for ma-cline gnn, PN 7793579, The main parts are alloy steel forgings, requiring heat treatment and phos-phate surface conting. No clearance required to obtain APPI. USAWECOM.

APPI No. WE-67. Feed slide track assembly for machine gun, P/N 7793610. The main parts are alloy steel forgings, requiring heat treatment and phosphate surface conting. No clearance required to obtain APPI. USAWECOM.

APPI No. WE-68. Barrel jacket for machine gun, P/N 11013400. This consists primarily of two machined alloy steel forgings brazel into an alloy steel tube which has been formed and pieced. No clearance required to obtain APPI. USAWECOM.

APP No. WE-69. Barrel assembly for machine gun, P/N 7791874. The barrel is machined from an alloy steel forging with a chrome-plated bore, and is fitted with a chrome-cobalt liner. Selective assembly with shrink fits is required. Phinsphate surface coating, proof firing and magnetic particle inspection are also specified. No cleurance required to obtain APPI. USAWECOM.

APPI No. WE-70. Extension assembly, harrel for machine gim, P/N 779.897. The largest part in this assembly is the extension which requires substantial machining from an alloy steel furging and requires heat treatment, the extension is fitted with a hammer, sear, springs and other parts to make the assembly proof firing and magnetic particle inspection is required. No clearance required to pilitain APPI, USAWECOM.

APPI No. WE-71. Bearing, barrel, frunt machine gun, P/N 11013349. The two parts of the bearing are machined from medium carbon alloy steel har stock; and copper brazed in assembly. Heat treating and chromium plating is required. No clearance and chromium plating is required. No clearance required to obtain APPL USAWECOM,

APPI No. WE-72, Barrel, grenaile lanncher, P/N 11686529. The barrel is to be machined from alloy steel furgings, rolling of the barrel is required as is beat treatment, chromium plating and phosphate surface finish. Proof firing and magnetic particle inspection are part of the specifications. No clear-ance required to obtain APPI, USAWECOM.

APPI No. WE-73. Bolt, hrench far machine gun, P/N 7791384. The major components of this assembly are machined from alloy steel furgings requiring heat treatment and chromium plating. Proof firing and magnetic particle inspection of the brench holt ts required. No clearance required to obtain APPI, USAWECOM.

USAWECOM.

APPI No. WE-74. Hand, horer for riftes, P/N 5546000. This component can he made from cathon steel parts, brazed and welded at assembly or optionally from precision steel castings. No clearantee required to obtain APPI. USAWECOM.

APPI No. WE-75. Charger, bolt, cal 50 machine gnn, M10, P/N 7267989. This assembly is composed of a variety of parts made from formed, carbon steel forgings, aluminum steel stampings, alloy steel forgings, aluminum steel stampings, alloy steel forgings, aluminum alloy die castings, steel tubing and etc. Some welding of sub-assemblies is required, as is heat treating and phosphate surface finishing No clearance required to obtain APPI. USA-APPI No. WE-74.

APPI No. WE-76. Extension sub-assembly, barrel, for machine gum, P/N7791371. The main component of this sub-assembly is the extension machined from an alloy steel forging. This part is to be heat treated, chromium plated, phiosphate surface finished proof fired and magnetic particle inspected. No clearance regulared to obtain APPI. USAWECOM.

APPI No. WE-77. Cylinder assembly, actualing, for armament sub-system, P/N 7791968. This is a

complex and closely fitted air operated piston and cylinder assembly to provide thrust. Accurate machining and grinding is required of the individual parts. The assembly is considered difficult to make. No clearance required to obtain APPI, USA-WECOM.

APPI No. Wi. 78. Burste research for muchine gin, P/N like of the system of consists of a steel pluster with a popular against prings held in a steel had a like the system of the precision of the system of the sy

APPI No. WE-79. Hider, flash, Cal. 30, M7, 1/for machine gim, P/N 7162303. This part is to be made from earthon steel or from pearlite malleable iron ensting. Chromium platling phosphate sufface fluishing is required. No clearance required for obtaining APPI. USAWECOM.

obtaining APPI. USAWECOM,
APPI No. WE-80, Roll assembly, operating, for rifle, P/N 7790722. This assembly consists essentially of a tube made from earbon steel tubing, heat tented and bent, and of a handle machined from alloy steel, heat treated and phosphate surface finished; and of a stainless steel piston resistance welded into one end of the tube. No clearance required to obtain APPI. USAWECOM.

APPI No. WE-81. Bittrell with flish suppressor, for machine gun, P/N 11686344, the harrel is machined from an allow that possible are treated, electro-person an allow that possible are treated, and the second suppressor is reduced from a steel precision for the second suppressor is reduced from a steel precision for the second suppressor is required. For clear that the second suppressor is suppressed in spection for required. For clearance required to obtain APPI. USAWECOM

USAWECOM.

APPI No. ME-31 RI REVISION: Generator Sct. Description: Generator set, gasoline engine driven, 3.0 KW, direct current, ail cooled portable, tubular frame, skild mounted, self-excited, model DC-3.0-MD1 28. The engine will he n government furnished military design engine, model 4A032, FSN 2805-776-0483, Manually cranked by rope. Overall dimensions: 35 Incles long, 25 Incles wide and 25 incles ligh. Net dry weight 280 pounds. Operating (rated) speed for the set shall be 3,600 rpm. Set shall start and operate at amblent temperatures from minus 65 degices F to plus 125 degice temperatures. In accordance with MIL-G-52191; FSN 6115-017-8239, No cleatance required to obtain APPI.—USA-MEC.

minus 65 degrees F to plus 125 degree temperatures. In accordance with MIL-G-52191; FSN 6115-017-8239. No cleatance required to obtain APP1.—USA-MEC.

APPI No, ME-37 R1 REVISION: Crane. Description: Crane, wheel mounted, 5 ton, diesel engine driven, hydraulic, poenmatic thred, alt transportable. The etime shall consist essentially of a 4-wheel drive; 4-wheel steer; pneumatic tired; diesel engine driven carrier with front end mointed, hydraulically operated dozer blade and rear end pindle hook. Carrier shall he a heavy framed, two axie supported, rubber tired vehicle having the general characteristics of an off highway type tractor for mounting a revolving crone superstructure and appropriate front end dozer. Carrier shall be equipped with a center mounted, finil revolving boom with a telescoping boom, including a manual extension, hydrutilically operated cable drum, hydraulile system, and operates as a 3% and capacity hydrutilically operated clansifer. Trace shall be adaptable to and operate as a 3% and capacity hydrutilically operated clansifer. Trace equipped with basic boom and doz blade shall negotiate 15 percent side shows the clansifer. Trace equipped with basic boom and doz blade shall negotiate 15 percent side shows the clansifer. Trace of the shall negotiate to a depth of foot above the top of the transmission without daminge to crane or carrier. Lifting and lifedown attachments shall be provided. Equipped with a 4-wheel, power service brake system capable of safety stopping, holding, and controlling movements, including submersion in water, and with an energency parking brake. A 24-volt, waterproof, electrical system for service and blackout night travel, lighting of the work areas at night, slave starting the engines of other vehicles, maintaining charge in the batteries, and starting the engine. Hydraulic power train shall consist of a diesel engine located at the rear of the carrier delivering power to a lorque convertor, cluich, transmission units, and dive axies. The diesel engine denoted at the

APPI No. ME-39RI REVISION: Air Conditioner. Description: Air conditioner. 38,000 BTU/HR, base monated, self-contined, multipackaged, lightweight, air cooled, air transportable. Shall operate automatically on the cooling cycle and either manually on automatically on the cooling cycle and either manually on automatically on the heating cycle. Stall be connected for operation on 208 volt of 416 volt, 3 phase, 400 cycle, 4 wire power, and shall be furnished with a compressor motor of the same characteristics. The weight of the air conditioner including the remote contiol panel and charged with refrigerant and oil shall not be more than 365 pounds. The refrigeration system of the air conditioner conforming to specification 33, 3, 3, 1, 1, 2, 1, 2, and shall be furnished with a will be recommended to the stall be furnished with a will be recommended with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be furnished with a will be recommended as a stall be recommended as

niay be installed indoors or may be exposed to the weather. In accordance with MIL-A-52344; FSN 4120-959-4453. No clearanse required.—USAMEC. APPI No. MIE-45RI REVISION: Loader, Description: Loader, scoop type, pneumatic tired, 2-1/2 cubic yard, diesel engine driven. Equipped with a 2-1/2 cu yd. multipurpose bucket hydraulically operated, vertical lift, front damp type and other attachments when specified. Four wheels, 4-drive wheels, 2 steerable wheels. An industrial type diesel engine conforming to MIL-E-11276. Shall be furnished with a torque converter and transmission. Transmission shall be hydraulically actuated, friction clutch control, constant mesh, gear type providing not less than three forward speeds and mot less than little power from one axle for high speed travel. Shall withsland without damage, the insage encountered in military operations, such as transportation by truck and trailer over unimproved terrain, emergency towing by another vehicle and operation under all types of weather conditions, eapable of convoy operation at an average speed of not less than 20 MPH, and fording fresh and salt water to a depth of 36 Inches without damage in leakage of water into fuel, hydraulic, and Jubricant reservoirs and housings containing lubricants. Tubeless type tires with a thread suitable for loading operation. Brakes shall be provided near load and unless specified otherwise shall be provided and unless specified otherwise shall be air actualed. A fully mechanical parking brake shall be provided Each loader shall be provided and unless specifie

APPI No. ME-47RI REVISION: Tractor. Description: Tractor, lull tracked, low speed, diesel engine driven, medium drawbar pull with hydraulic scraper controls with oscillating tracks. The tractor

in the combination listeit. Dozer and drawbar drawbar and winch; dozer and tipper, Capable of towing and operating a 4 wheet, IR cn yd, hydraulic or cable operated scraper. Stall start and operate in any ambient temperature from minus 25 degrees F to plus (25 degrees F. The diesel engine, including full flow libricating oil filters, a 40 ampere battery charging generator, and an electric starting system for auxiliary stating engine (when furnished) stati conform to Mil Levi Ling. (when furnished) stati to conform to the furnished drive units and connecting components shall be furnished. Steering devices shall transmit the full power of the engine to elithe track. Brakes shall be provided which tock both tracks simultaneously or either track individually to permit pivot turning. Final drive units shall be enclosed in dust proof of the engine to elithe track. Brakes shall be origined with a torque converter, shall provide winch and to operate a rear stouch with a torque converter, shall provide not less than two forward and two reverse gear ratios. A push start pump shall be furnished when tractor is not equipped with an auxiliary gasoline starting engine. Tractor shall be equipped with a 24 volt electrical system and the tractor is not equipped with an auxiliary gasoline starting engine. Tractor shall be equipped with a 24 volt electrical system and the provide with ling and furnished when the provided with ling and the second provided with ling and dust provided with ling of the provided w

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第2条条等のですいか ・ 機能計算事業を関する。 19 Traixing 45 Hank and Cal 集件 発射者 があるが、かってい moter Consists of pidding.

metal-clad steel or copper-plated steel jackel. No security clearance required to obtain APPL.—FA-USAMUCOM.

APPI-FA-39. M2A1 reusable metal box. is used for packing small arms ammunition and is designed to withstand all conditions commonly encountered in handling, storing, and transportation of ammunition. No clearance required to receive APPL FA-USAMUCOM.

APPI-FA-40. M19A1 metal box for 7.62MM small arms ammunition. No clearance required to obtain APP1. FA-USAMUCOM.

APPI-FA-41. M13 Link for 7.62MM Small Arms Ammunition. No clearance required to obtain APPI. FA-USAMUCOM.

APPI-FA-42. MI link for .30 cal. small arms ammunition. No clearance required to obtain APPI. FA-USAMUCOM.

APPI-FA-43. Filler, metallic, for 5.56MM small rms ammunition. No clearance required to obtain arms ammunition. No cles

APP1-FA-44. Clip 10 round M16 for 5.56MM small arms amraunition. No elearance required to obtain APP1. FA-USAMUCOM.

APPI-FA-45. Clip 10 round for .30 caliber small arms annumition. No clearance required to obtain APPI. FA-USAMUCOM.

APPI-FA-46. Clip 5 round for 7.62MM small arms ammunition. No clearance required to obtain APPI. FA-USAMUCOM.

APPI-FA-47. Cal. .38 ball M41 and cat. .38 WC (Wad Cutter) match. No clearance required to receive APPI. FA-USAMUCOM.

NOTE: The APPI bearing the following No. AP-9, APPI No. AP 12RI, APPI No. AP 16RI, APPI No. AP 16RI, APPI No. AP 17RI, APPI No. AP 18RI, APPI No. AP 21RI, APPI No. AP 20RI, and APPI AP EA 13RI are revisions (reprints) and were previously published as APPI spoopses. Additional suppliers are welcomed for these APPI liems.

these APPI Items.

APPI No. AP-9 Rev 1 Loaded item - Cord Detonating Reinforced Plastic Wrap, type 1, PETN core procured loaded, 0.175" max. dla. to 0.235" max. dla. to 0.235" max. dla. to 0.235" max. dla. to 0.235" max. dla. tepending on class, textile cover, plastic coating finish, max. weight per 1000 ft. length, rain, break airength, detonating velocity, propagation, etc. per spec Mil-C-17124B. Fifty ft. lengths on fiber or chipboard cores longer lengths on commercial spools. Technical staff familiar with handling explosive material required. No clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-12 Rev 1 Loaded item - Can. Blast.

material required. No clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-12 Rev 1 Loaded item - Cap, Blasting, Elec. M6, procured loaded, consists of five (5) components and/or assemblies, plug assy 1.015° X 0.219 O.D. molded around lead wire 145″ long. Material, plug rubber; wire, type 8, AW622, soft, in coated; alternate, rubber and sulfur plug assembly, with cast sulfur plug. Bridge wire connecting one end of lead wires, resistance 180 OHMS per ft. cup 2.29° X 242° O.D. X 222° 1.D., base 0.20° thick, Al alloy, sheet, temper 0; apol 4.95° X 4.16° X 0.4° wall, slotted one end, bear board, convolute, with Bour paste between layers; alternate kraft puh paper unsized .003° liades; cup load with RDX base charge, lead azide intermediate charge and ignition charge. Requires technical staff familiar with pyrotchines and cyplosive loading and necessary loading facilities. Difficult to produce to applicable specs. No COM.

APPI No. AP-16 Rev 1 Ammunition item - loaded

clearance required to receiv APPI. APSA-USAMU-COM.

APPI Na. AP-16 Rev 1 Ammunition item -loaded item Simulator projectile ground burst M115A2 aprx 7.13 long X 1-5/16 dia. Consists of tube finner of Leaft wrapping paper 205 lb. grade A convolute with adhesive deatrin between layers, tube would with adhesive deatrin between layers, tube disc of board binders material; tube spacer material and fabrication as inner tube; tube whistle same material and fabrication as inner tube; sleeve same material and fabrication as inner tube; disc. bottom cleaning of draft paper 30 lb. grade B; washer of cleaning of draft paper 30 lb. grade B; washer of deglee angle, other end steel spring wire; sleeve of rule of steel strip; disc board binders material; graper grade A, 205 lb. or grade B, 120 lb. fermier cup of gilding metal tube of kraft paper and rylon thread; whistle load is pressed in increments vibration tests. Fairly difficult to mass produce to applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-17 Rev 1 Ammunition Item loaded item - simulator automate avalories.

receive APPI. AP-USAMUCOM.

APPI No. AP-17 Rev 1 Ammunition Item-loaded item-simulator automatic explosion M142 consists of sub-assemblies; five 21 lb bags smoke charge 1 ignitional states of 325 grams black powder class 3 electric sound composition and sound unit initiator; shipping separator of several two faced C-fine corrugated fiberboard. Manufacturers require controlled temperatures and humidity storing areas. Desiceant can be used instead of controlled temperature, but

storing area still needed for 48 hr drying period. Powder and pyrotechnic experience required. Compliance with all local state and national safety laws required particularly qty-distance requirements. Considered difficult to manufacture to applicable specs. No clearance required to obtain APP1. AP-No clearance USAMUCOM.

USAMUCOM.

APPI No. AP-18 Rev 1 Ammunition Item - XM151 Warhead Metal Parts Assembly, approximately 13.03 inches long by 2.79 inches maximum outside diameter. Consists of three components, ause, 10.40 inches long by 2.79 Inches outside diameter at the bourrelet tapers down to 1.68 inches through a 35-inch radius on the oglve beginning 4 inches from the base, material pearlitic malleable from, grade 60003; base, 3.005 inches long by 2.40 inches outside diameter, cup shaped, material, steel plate or steel bar, hot rolleil or pearlitic malleable from, grade 45010, 50007 or 60003; cap, protector, 932 inches long by 1.844 inches maximum diameter at flange, cup shaped, material, polyethylene. Considered difficult to manufacture. No clearance required to receive APP1. AP-USAMUCOM.

APP1 No. AP-21 Rev 1 Ammunition Item-War-

shaped, material, purpeturiente. Constitution in tem-Warlo manufacture. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-21 Rev 1 Ammunition Item-Warhead, 2.75 in. rocket, smoke, WP E13, metal parts, 
assembly about 13.03 inches long by 2.79 inches 
maximum diameter. Consists of three components: 
body, 9.69 inches long by 2.79 inches maximum 
outside diameter nosing down to 2.065 inches through 
a 35-inch radius, material, seamless steel tubing, 
condition CDSR, 1020; base, 3.00 inches long by 2.4 
inches maximum outside diameter, 1.92 inches inside 
diameter, cup shaped, material, hot-rolled steel har, 
C1018; adapter, 1.62 inches long by 2.06 inches maximum outside diameter. 79 Inch bore with 1.455 
connter-bore, material, cold-finished carbon steel 
bar, Considered difficult to produce. No clearance 
required to receive APPI, AP-USAMUCOM.

APPI No. AP-23 Rev 1 Ammunition Item-Warhead, 66 MM Rocket, He, M 18 metal part assy, 
approximately 2.578 inch diameter at large end and 
approx. 1.129 inch diameter at large end and 
approx. 1.129 inch diameter at large end and 
approx. 1.129 inch diameter at large end and 
approx. 5.79 inches long by 2.598 inch diameter 
at large ent by 1,262 inch diameter at small ent. 
Material: aluminum alloy sheet, 3003-40, ASTM 
B209. Liner, material, copper, strip, cold rolled, 
soft annealed. ASTM B152. Oody head and ogive, 
slrrink fit ant crimped. Other components, insulator, 
conduit, connector insulator, nose gasket, and screw 
insulator. Firms bidding on item will require technical staff of engineers, metallurgists, and tool 
engineers. Item considered difficult to 
produce. 
APPI No. No. AP-29 Rev 1 Cartridge, illimniunting, 81MM, M30tA2, loading assy. Consists of 4

No clearance required to receive APPI. APSA-MUCOM.

APPI No. No. AP-29 Rev I Cartridge, illiminanting, 81 MM, M30tA2, loading assy. Consists of 4 assys and 6 additional compinents. 14,335 in, Ig. x 3.18 inch max illameter. Cnp & disc assembly: 3 components, cup, pulcord, material sheet boxhoard. Disc, coupling, material, steel strip, temper Nn. 2, Eyelet, rolted flange. Cup parachinte (2 cach) cup segment, material, sheet boxboard. Disc, parachinte, material, sheet chipboard. Pin, shear (4 cach), coneshaped point, material, brass wire or real, material, strip steel. Protective plugs. Projectile: 4 components. Tube varying dlameters, material, seamless steel tubing. Adapter, internat thread, material, steel bar. Tail cone, varying wall thickness, material, steel bar for hot forge. Adapter Pin, tapered end, material, bar steel. Illiminant assembly: 12 compinents. Case loading assembly case, charge (4 increments). Discs (chipboard & steel). Felt spacer. Ring, filter, (soft wood or plywood). Oval sleeve (Zinc Plated Copper). Suspension vire assembly: cable, preformed steel, Suspension Cup, (steel strip). Disc (Strip Steel). Parachitte Folding Assembly: Disc (chipboard). Parachitte Assembly, 3 commonents. Gore, (8 cach), (nylon cord). Parachitte folder Assembly, 4 components. Eyelets, protective plug, oval sleeve and nails available commercially. Firms bidding on item should have staff including chemonistics, metallurgists, and tood design engineers. Item considered extremely difficult to manufacture. No security clearance required to obtain APPI. APSA-USAMUCOM.

# NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, III.) issue, dated September 6, 1%6 page 2, No. PSA 4137 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column I first three paragraphs.

APPI No. ME-48R1 REVISION. Drill Pneumatic, Drifter, Self-Princelled, Crawler chassis with a pintle statehnent for towing an air entogressin, air neutors, hylraulically operated turrer bnom, chain feed type drill retailure channel, and pneumatic trill. Shall be provided with Interestion fittings, buses, cunturls, crawler brakes or lucks, and other necessary lems to perfurn complete and efficient drifter drill operations. The drifter drill employing a carbine tipped bottom drive bit shall drill a 2-1/2 inch diameter hole, 22 inches deep in one minute. Each of the two oscillating crawler tracks shall be driven (furward and reverse) by an air muttor with a spring loaded deailman control. Each track shall be provided with brakes or hald devices that will lock tracks in a fixed position inmediately upon release of the spring loaded deadman control. The feed channel support knum shall be raised, lowered and rotate hydraulically. Vertical movements of boom shall be not less than 40 degrees not be right and 90 degrees to the horizontal and 15 degrees helow the horizontal. Rotation of boom shall be mit less than 30 degrees to the right and 90 degrees in the left and shall provide for vertical drilling at any position in the 180 degree path, untsile of the tracks without repusitioning the crawler. The hydraulic control of the boom and feed channel shall be such that the drifter drill shall drill vertical or horizontal lucks in any of the above tanges regardless of the position of the tracks. The fabricatest steel feed channel shall be flexifely secured to the feed channel shall be such that the drifter drill and not less than 11 feet 6 lucks. An air motor, attached to the feed channel shall be flexifely secured to the feed channel shall be of the drifter drill of not less than 11 feet 6 lucks. The fabricated strucks control to the control of the drifter drill of not less than 1600 pounds. The 4-1/2 luch pneumatic drifter drill shall be of the lung struke hammer type, weighing not less than 1600 hounds, lesigned for wet o

security cleatance required to ideain APPI. USA-MEC.

APPI No. MK-52RI REVISION. Compressor, Recipracathag, Power Driven, Air, 15 cfm, 175 psi. Shall be of the contineral classification "garage type," air caded, 2 stage, 2 cylinder, tank mounted reciprocating congressor with an air reservoir, automatic inheader, air cleaner, air huse and power indiction and accordance engine. Engine, fuel tunk, mannal cranking system and provisions for connection to an accillary fuel snigdy shall conform to MIL-E-11275. Unless atherwise specified a government furnished Military Design 6 hp engine, Madle 4A032, FSN 2805-776-0483 shall he provided. Engine shall be installed in accordance with Mil-STD-1300. The drive shall consist of matched multiple V-lielis and grooved pulleys. Twic mufflers for the engine shall be provided by the supplier. Engine shall be equipped with a clitich. Compressor and power unit shall be mounted on a base attuched to the air receiver tank. The base for mounting the government shall have a means for lielt adjustment, Air receiver tank shall be af the horizontial type and constructed in accordance with the ASME Boller and Pressure Vessel Code, tank capacity not less than 80 gallons. Fillings on tank shall include a spring loaded type pressure rellef valve, a globe discharge vide, a drain cock of the needle seat packless type, and a 0-psig to not less than 250 tesig pressure gage having psi or smaller increments. Compressor shall have an adjustable, pressure actuated, mechanical control to automatically stop compression of air and reduce engine speed to an rpm between 1.000 rpm and 1600 tpm when 185 psig is renched. When I the tank pressure has dropped to 160 psig pius or military has celetate the engine and start compression. An anional form starting against either tank pressure or compression in the compression in the compression. In let compressor cylinders, Compressors.

are intended for use as a source of compressed air in the initial operations conducted at filling stations and vehicle maintenance ships. In accordance with MIL-C-13874, Type 1, Class 1, style 2, FSN 4310-542-4566. No security clearance required to obtain APPI. USAMEC.

APPI No. ME-53RI REVISION. Generator Set, Diesel Engine Ditven, 100 KW, Alternating Current, Liquid Cooled, Portable, Skid Mounted, Multipur-pose. The generator set shall consist of a liquid APPI No. ME-53RI REVISION. Generator Set. Diesel Engine Diven, 100 KW. Alternating Current, Liquid Cooled, Portable, Skid Monated, Multipurpose. The generator set shall consist of a liquid cnoted diesef engine directly connected by a flexible coupling to a 100 kw, 0.8 pf generator. An excitation system, voltage regulator, fuel tank, eighte starting motor, controls, batteries, battery charging generator and controls, governor, winterization engipment, a weather resistant housing, a rigid skid tase and other equipment as required to achieve a complete engine-generator set. Set shall be 100 kw, 0.8 pf lagging, at 60 cps, and 83.3 kw, 0.8 pf lagging, at 60 cps, and 83.3 kw, 0.8 pf lagging, at 60 cps, and 83.3 kw, 0.8 pf lagging, at 60 cps, and 83.3 kw, 0.8 pf lagging, at 50 cps, 3 phase 4 wire, 240 volts line to eneutral and 416 volts line to line, (240/416 volts) wye. Set shall be reconnectable for 3 phase, 4 wire, 120 volts line to neutral and 208 volts line to line (120/208 volts) wye. Operating speed 1,800 cycle operation. An industrial type diesel engine conforming to MIL-E-11276 shall be provided with a fuel system including piping, valves, filters, fuel tank, day tank, two electric fuel transfer pumps, prelicat pump, a muffler, exhaust pipe, tailpipe, fittings, and other required equipment. Engine shall helide both manual turning for inspection and maintenance and a 24 volt electric eranking system fur starting. Set shall be equipped with an electric load sensing governing system with the necessary equipment fur speed error sensing, and with an adjustable frequency regulation (droop) control on the control punel. Generator shall be a single bearing, rotating field, self ventilated synchronous type, A voltage reconnection system shall consist of an exciter and voltages regulator of the sfatic type. The control panel shall consist of an exciter and voltages. Excitation system shall consist of an exciter and voltages frequency, and the provided for reconnecting the phase winding to give all the specified termin

MEC.

APPI No. ME-55RI REVISION. Generator Set, Gasoline Engine Driven, 3 KW. Alternating Current, Air Cooled. Portable, Tubular Frame, Skid. Shock Mounted. Set is rated 3 KW. Alternating Current, Air Cooled. Portable, Tubular Frame, Skid. Shock Mounted. Set is rated 3 KW. 0.8 pf lagging, and almil he connectable for the following voltage ratings: 3 plasse, 4 wire, 120 volt line to lentral and 208 volt line to line; Single phase, 2 wire 120 volts; Single phuse, 2 wire 120 volts; Single phuse, 2 wire, 240 volts, Self-excited. The military design engine, model 4A032, FSN 2805-776-0483, conforming to Mil-E-11275, will be furnished by the government. Manually cranked by rope. Set shall sfart and operale at ambient temperatures from minus 65 degrees F to plus 125 degrees F. Operating speed for set shall be 3/128 rpm. Set shall not be damaged when subjected fo rough handling. The net dry weight of set shall be 285 pounds. The overall dimensions shall be 35 Inch long, 24 inch wide and 25 inch high. Set is intended fo suply power for general purpose use. In accordance with MIL G-52367, Type 11, ann DL 13213E4098, FSN 6115-017-8238. No security clearance required to obtain APPI. USAMEC.

APPI No. ME-57RI REVISION, Outboard Motor,

APPI No. ME-57RI REVISION. Outboard Motor, Gasoline, with carrying ease. Each outboard motor shall consist of a gasoline engine, mounting bracket, forward and reverse reduction space, propeller and

séparate fuel tank. The uet brake horsepower of the engine, cumplete with all accessories, shall not he less than 25 or more than 40 continuous horsepower at the manufacturers max, rated speed. The engine speed control shall be located in the twistgrip, on the steering handle, allowing full engine speed fur both furward and reverse operation. The carbitretor shall he of the Venturi type with fixed or adjustable low speed and high speed jets. Six to seven gallun capacity of fuel tank, with a fuel gage and either a manual discharge pump or a squeeze bulb. A high-tenishin magneto jenition system. Engine cranking shall he accomplished by an automatic rewind starter rope. An efficient inderwater exhaust system shall he provided. Gear shift lever shall be located on steering hundle. Steering shall be through an integral tiller type handle that shall change direction of the propeller thrust through a total arc of not less than 120 degrees. A method shall be provided for connecting two motors to permit steeting in unison when the motors are mounted with a 25-112 luch center to center horizontal sequation. The propeller shall have unt less than three blades. A repair kit, repair parts and maintenance tools shall be furnished. Mutor leg shall be streamlined to prevent excessive ifrag and to prevent indestrable hydraulic characteristics such as water entering boat over the transum. Each motor shall be furnished with a chest constructed in accordance with MIL-C-12044, accommodating the completely assembled motor, fuel tank, tiller cunnecting levice, mannals, repair kit, repair parts, maintenance tools, and conversion kit in as compact a minner as practicable. The maximum unit weight, not including finel tank, shall not exceed 160 pounds. The outboard motors are intended for use in tropelling floats, pontons, rafs, assault boats, and other floating or stream crossing equipment in fresh water amisalt water service. In accordance with MIL-C-11585, type 11, Class B. FSN 2805-132-9079, No security clearance required to obtain A

type 11, Class B, FSN 2805-132-9079, No security clearance required to obtain APPI. USAMEC. APPI No. ME-58R1 REVISION. Crushing and Screening Plant, Two Unit, Gasoline Engine Driven, Senitrailer Mounted, 35 Ton per hom capacity. The crushing and screening plant shall consist of tw seperate units, the primary unit and the secondar unit. Each unit shall be mobile, self-contained, ar equipped with a gasoline engine as an integral partial crushing and sandine engine as an integral partial crushing and the unit. Each unit shall be mounted in a sentrailer chassis that will permit towing either as senitrailer or as a full trailer when used with a senitrailer or as a full trailer when used with a senitrailer or as a full trailer when used with a senitrailer or as a full trailer when used with a senitrailer or as a full trailer when used with a senitrailer or as a full trailer when used with a fully converter. Each gasoline engine, components and accessories shall be in accordance with MIL-E. 11275, group 11. Equipped with a manual and electric starting system. The primary unit shall consist of a chassis upon which shall be mounted a teciprocating plate feeder with loading hopper and grizzly hars, a bypass hopper, a 15 hy 24 inch jaw crusher, a primary delivery conveyor for moving the material from the law crusher to the secondary unit, a gasoline engine, thrives, guards, operator's platform, and ladder. The crushed shall be of the law type with overhead eccentric aetion and shall crush teaterials ranging in size from a cross section of 13 by 22 inches dawn to the size of the minimum law setting. The secondary unit shall consist of a classis upon which shall be mounted a 24 inch diatocter by 16 inch face roll crusher, a vibrator screen, a feed conveyor for moving material from the delivery conveyor on the primary unit to the

Jaw setting. The secondary unit shall consist of a classis upon which shall be mounted a 24 inch dianeter by 16 inch face roll crasher, a vibrator screen, a feed conveyor for moving material from the delivery conveyor on the primary unit to the screen on the secondary unit, a return feed system for conveying crushed material to the screen for resizing, a fines delivery conveyor for conveying material into trucks or stock piling, a delivery conveyor for conveying the finished material into trucks, a gasoline engine, drives, guarits, operator's klatform, and ladder. The roll crasher shall consist of two rolls, with detachable one piece roll stells, one fine corrugated and one smooth, 24 inches outside diameter, 2 inches thlek, and with a face of 16 inches. A 40,000 pound towing pintle assembly conforming to MS51118 shall be mounted on the rear of the semitrailer to provide a towing connection for the dolly converter when unit is being towed by a truck tractor. Unit shall be equipped with a waterproof, 24 volt, vehicular electrical system for service and black out illimination during travel. A front dolly converter shall be furnished with each semitrailer mounted unit, to permit coupling the dolly to the semitrailer by backing, a heavy duty lower fifth wheel shall be furnished. A functic conforming to MS51337 shall be installed in a housing inlegral with the towbar frame. Towbar of dolly converter shall be provided with an adjustable folding, landing leg to permit coupling and uncompling by one man. Each unit shall operate over smooth hard surfaced primary highways at speeds up to 20 mph, over unimproved roads and open, rolling, and hilly cross-country terrain up to 10 mph. Units shall be sectionalized to permit air and rail transportation. Each unit and each sectionalized component shall be provided with lifting and tiedown attachments. The crushing and screening plant is inlended for use in the production of aggregate for roadways, airstrips, parking aprons, and similar projects. In accordance with MIL-C-52460.

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APPI So MOPIRI REVISION, Surveying Inwave It was a partie resentant Instrument for
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a built in single channel communication system for voice communication throughout the measuring range of the instrument, built in test meter for monitoring electrical circuits to insure instrument is operating normally, and shall he monitable on the standard Military tipod conforming to MIL-T-14091. Shall upprate on not more than 60 watts, from 11 to 14 volts de or 22 to 28 volts when supplied from hateries conforming to MIL-B-11188 or MIL-B-55118 or wheo supplied from vehicle hatteries when monited in a Military track. When used with a converter instrument shall operate from nominal commercial ac opwer 105 to 126 volts, single phase 60 cycle of from a generator set conforming to MIL-G-52143. Instrument shall operate with accuracy, and without damage, from an internal battery when in thermal formal power sonice in air at any temperature from plus 105 degrees F to ininus 25 degrees F, from an external power sonice in air at any temperature from plus 105 degrees F to ininus 25 degrees F. Each instrument shall be capable of acting as a measurer and responder without calibration with any other similar instrument. Instrument shall be furnished in man portable packages. A minimum of two surveying instruments, one operating in the measuring mode and the other operating in the measuring mode and the other operating in the answering mude, are intended for precise measurement of survey lines. In accordance with MIL-S-52156, FSN 6675-606-3379. No security clearance required to obtain APP1. DSAMEC.

APP1 No. ME-67R1, REVISION, Roller, Motorized 10 to 12 Ton, Gasoline Engine Driven. A 3 wheel, hydiamlically steered roller, with one wheel steering roll at the front, and two wheels on driving rolls at the teat. Driven by a gasoline engine librough a two speed transmission and torque converter. The industrial type gasoline engine, inc

APP1 No. WE-82. Wrench and Screwdriver combination, P/N B7419835, for launcher rocket M20A1 and M20A1B1, Box wrench end hexagon 0.575 w/across flats, 11/32 blade other eml 4-7/8 lg. No clearance required in receive APP1. USAWECOM.

APPI No. WE 31 Wiresche Lee, M16, P/N. C72103 A Color 1 22003 seed Sanned wrench for an Berling Standard of the American Standard of the American

APPI No. WE-84. Wrench and gage combination, PN C7160900, for cal. 50 M.G., a flat stamped double open end wrench with length gage on one side A steel sleeve with pressed in steel pins is copper hrazed in the center of the wrench, lettering stamped in medium carhon steel, heat Ireated, phosphate coated. No clearance required. USAWECOM.

APPI No. WE-85. Side cover key, P/N A5228061, for 40MM gun tool set, A "T" handle key wrench, stem forged and machined. Straight handle pressed into stem. Heal treated carbon steel with phosphate finish. No clearance required. USAWECOM.

finish. No clearance required. USAWECOM.

APPI No. WE-86. Gun oiler, hand operated screw type, P/N C5306661. A pressure oil gun with a screw driven plunger operating in a steel body, designed for force oil under pressure into a weapon. Bothy could be forged or machined from solierlar. No clearance required. USAWECOM.

APPI N. WE-87. Test set, turret, SN551, P/N N/A; a Small electrical polarity and contimity instrument to check and balance 17 circuits in a tank turret, steel waterproof carrying ease, galvanometer, test selector switch, test cable and connectors, printed intermal circuits with resistors mounted in expixy resin. No clearance required. USAWECOM.

APPI No. WE-88. Kit accessory for cannon by inspection, P/N, N/A, a set of measuring regraduated and engraved with a vernier callper nother heating and protecting stops and guards in fabricated aluminum carrying case. No clearan required to obtain APPI. USAWECOM.

APPI No. MI-63, High power, acquisition rat anti-jamming improvement. NIKE Hercules releas for subcontracting upportunities only. Addithoral: quiries should be directed to General Electric C poration, Syracuse, New York, No Federal Sto Number assigned. No clearance required to obta APPI, USAMICOM.

APPI. USAMICOM.

APPI No. MI-64. Perform effort on these Chaperal Missile System for engineering design, development, fabrication of breadhords hardware a performance of tests. This effort is actived to verifice improvement on a mage cache added sities on sun assemblies cut account of the mage revealed definition and the state of the state o

USAMICOM.

APPI No. EA-29. The M2 Skill-Mounted liquing fuel water heater, FNS 4410-542-5656, is a 500,01 BTU forced-circulation-type heater which uses alies oit, kerosene jet fuel JP4 or 100 netane gasuling for fuel. Fuel consumption at the rate of 6 galling per hour. The heater shall raise the temperature iliquid from 25 th 100 degrees F, at a flow rate of 30d GPH and 100 degrees F, a flow rate of 30d GPH and 100 degrees F, at flow rate of 150 GPH. Unit consists of a sheet methousing 49.50 inches long and 18.50 inches wide an 41.25 inches high. The metal housing incloses a fingump blower, electric motor 1/4 H,P., W pressing boiler, oil burner and a magneto. Controls, wirful piping, housing and accessories are mounted on steel skid. The unit weighs approximately 575 pountwhen empty and out of crate, it is used with power driven decontaminating apparatus to provid hit water for decontaminating apparatus to provid hit water for decontaminating apparatus to obtain APPI. EA-USAMUCOM.

APPI EA-USAMUCOM.
APPI No. AP-49 RPI reprinted from previou printing in CBD is as follows:

APPI No. AP-49 RPI reprinted from previnity printing in CBD is as follows:

APPI No. AP-49. Signat, Illumination, ground red star cluster M158 is rocket propelled, for stabilized pyrmechnic device which is fired by its integral lameching mechanism. The emilitem is to.16 inches long by 1.67 inches at the point of maximum omside dilameter. The five red stars are ejecter from the signal hody by means of a black powifer delay element. Attached in the signal body is a rocket motor assembly which utilizes a mixture of black powder and calcium carbonate as the propellant. A tail assembly is located on the ontside of the motor casing tube. This tall assembly consists of four folding fins welled in four ribs which are in turn welded to imper and lower tail rings. All of the above are contained in a rocket harrel, the base of which houses a primer and rocket initialing charge. After lightion of the initialing charge, After lightion of the initialing charge. After lightion of the initialing charge in the bilt which holds a nozzte plate to the motor casing tibe. The both that leads illrectly latin the round center hale in the propellant. The flash into the balt hole therefore provibes for propellant ignificant. The top in the rocket harrel is closed by a cork sealing disk and covered by a firing cap which contains the liring pin. No clearance required to receive APPI. USAMUCOM-PSA.

APPI No. AP-34 RPI reprinted from previous propulating in CBD is as fullness.

which contains the liring pin. Nn clearance required to receive APPI. USAMUCOM-PSA.

APPI No. AP-34 RPI reprinted from previous printing in CBD is as fullows:

APPI No. 34. Projectile, 4.2-inch WP, smoke, M328A1. Six basic components, Body, prime component, approx 16-inch long, tubular in shape, approx 4.2 inch diameter. Clused end forms base which has protruded threanded boss approx 1-inch diameter x 1/2 inch hing, Indicates furging process, Material, steel, non-resulphurized, special har quality. Spec ASTM A107. Vane, approx 13-1/4 inch long x 1/16 inch thick, metal, stamping of steel strip, ASTM A109. Ilss 16 inles and notches, center section forms holder for burster casing. Embs of short dimension of stamping formed in "S" pattern, Nose adapter, approx 2-inch long, max diameter 2-7/8 inch, forged in funnel-type shape, Material same as body. Burster Case, approx 13-3/4 inch long x max diameter 1-3/16 inch, minimum Blanneter (Require silver brazing) steel carbon plate, steel sheet & strip & seimless steel tubing. Also requires plastic protector caps for nose & base. Considered in botain APPI. APSA-USAMUCOM.

APPI No. AP-37 RPI reprinted from previous printing in CBD is as follows:

APPI No. AP-37, Ainmunition Item—Case, cartridee. 106 MM. M94BI. Assembly 24 inch long x

APPI No. AP-37, Annualtion Item—Case, car-Irldge, 106 MM, M94BI, Assembly 24 inch long x 5.148 inch ontside diameter at base. Two major components: Tube approx 23.65 inch long x 4.698 inch ontside diameter lapering to 4.32 inch at mouth; wall thickness varies from .120 inch at base

to .078 at mouth; steel strip is perforated with 1160 hotes .312 luch in diameter and welded to form tube which is copper brazed to head, 5.138 inch diameter x .93 luch long, .8074 inch diameter primer hole. Special bar steel leat treatment and stress relief required. Assembly has baked varnish finish after phosphatizing. Case considered difficult to produce. No cleaning required to obtain APPI. APSA-USAMUCOM.

APSA-USAM UCOM.

APPI No. AP-80. Simulator Projectife Air Burst M74A1 loaded. Consists of 4 assys and 17 components. Charge case is 2.84" long x 1.445" diameter x 1.37" 1. D. top wall .067" thick neck .39" OD x .243 long thrended. Closing disc chipboard. Charge is black powder and aluminum proder. Fuze assy consists of hotsting of aluminum product charges of I, component and primer assy case signal 3.83" long. x 1.568" OD x 1.475" I.D. flanged base. Primer, percussion M39A1 assy. Primer mixture is potassium, chlorate sulphocyanate int etc. Gas check washeriand charge load of black powder. Considered difficult to produce to applicable specifications. No clearance required to receive APPI. AP-USA-MUCOM. MUCOM.

MUCOM.

APPI No. AP-81. Fiare surface trlp M49AI assy loaded. This item consists of several small components pins bolts springs and stampings made of steel. The main assembly consists of a cover loading assembly which is 1.6" diameter x .71" high machined from a zinc die easting. The loading assy provides for 3 lihum pellets and 1 ignition pellet with trigger assy turd striker ussy to initiate. Mfg firms hidding on this Item should be familiar with pyrotechnic mfg process and ortinunce standards and specifications. No security clearance required to receive APPI. AP-USAMUCOM.

specifications. No security clearance required to receive APP1. AP-USAMUCOM.

APPI No. AP-82. Signal illium ground green siar paracinite M19A2 is procured loaded approx 10.4" x 1.9" in diameter and weighs approx 1 pound. The Item consists of 6 major parts (a) body aluminum drawn seamless tube 5" long x 1.63" in diameter x .066" thickness. (h) Fuze housing alum alloy bar 1.10" long x 1.625" in diameter threaded on one end and loaded with potossium nitrate black powder and propellont. (e) lube stabilizer cold drawn steel inbinganuealted r.795" long x .866 1.D. Flared to 1.20" 1.D. and treaded on one end. (D) illium assy rolled hoxboard sheet with detrin adhesive and is 1.40" in diameter by 1.09" long and a reinforcing cover of ainm allny steel. The illium consists of barium nitrate coated magnesium copper powder hexachlor benzine and linseed oil. The priming charge consists of black puwder and quickmatch. (e) Porachute assy consists of 18 1/2" diameter upin paracinite with upin cord leadere 29 ft in length. The packaging is made in fiver containers which are shipped in wooden hoxes. Mfg firms specificutions and manufacturing processes. No security clearance required to receive this APPI. AP-USAMUCOM.

APPI No. AP-83. Sig itium cluster M125A1 consists of Illium assy of 5 searc manufacturing processes.

USAMUCOM.

APPI No. AP-83. Sla illum cluster M125A1 consists of illum assy of 5 star candles and enadle initiating assy all inclosed in aliminum case. Illum composition consists of magnesium barlum nitrate polyvinyl chloride and hinder mixture. Body is aliminum. Quickmutch is type 11 class a specs MIL-Q-00378. Deluy assy is 1.19° Q.ID x .473° thick propellant is black powder. Tuhe casing is steel. Tail assy consists of tail vane and rib assy plus upper and lower rings. Vanes are strip steel welded to inhing and folded against tubing when in case. They spring out when ejected. This item is considered fairly difficult to produce. It is procured loaded. Nn security electrance required to receive APPI. AP-USAMUCOM.

No security clearance required in receive APPI. AP-USAMUCOM.

APPI No. AP-84. Signal Illuminating Ground Parachute Red Star M126A1. No security clearance required to receive APP. AP-USAMUCOM.

APPI No. AP-85. Signal Illum ground parachute white star M127A1. Except for chemicals which produce color bolh signals are essentially the same. The chemicals Indicated below are for the M126A1. Consists of illum assy para assy and candle initiating assy all inclosed in aluminum boy 1.442° O.D. x 4.906 long x .018° thick. Illum assy consists of magnesitim strontium nitrate potassium perchinate polyvinyl chloride and binder. Illum case is attached to parachute by .078° asbestos cord. Parachute is 24 1/2° dimneter and made from slik. Oulekmatch type II class a 3 1/4° long ignites Illum. Expelling charge is black powder and is initiated by delay composition of potassium ultrate antimony sulfide black powder suffur and destrin. Delay assy is 1.9° O.D. x .473° thick. Rocket motor consists of 3 grain propellant assy inclosed in metal tube casing. Tail assy consists of tail vune and rlb assy upper and lower tail rings. Vanes fold fint against motor case and spring out when ejected. Firing plus in cap which fits overs one end of rocket barred. It is procured loaded. No security clearance required to receive APP. AP-USAMUCOM.

APPI No. AP-86. Signal Illum ground white star cluster M159A1 Consists of illum assy of 5 star candles and candle initiating assy all inclosed in aluminom case. Illuminant composition consists of magnesium barium nitrate polyvinyl chloride and binder mixture. Body is aluminum. Onickmatch is type II class a Spec MIL-Q-00378. Delay assy is 1.19" O.D. x 473" thick. Propellant is black powder. Tube casing is steel. Tail assy consists of tail vane and rib assy plus upper and lower rings. Vanes are strip steel wetded to tubing and tolded against tubing when in case. They spring out when ejected. This item is procured loaded. No security clearance required to receive APPI. AP-USAMUCOM.
APPI No. AP-87. Sig Illum Aircraft Star Red. No security clearance required to receive APPI. AP-USACOM.

security clearance required to receive APPI. AP-USACOM.

APPI No. AP-88. Sig Illum Aircraft single star green AN-M45A2. Except for chems which produce color the AN-M431-2 AN-M44A2 and AN-M45A2 signats are essentially the same. Procured loaded approx 3.85 plus and minus. 10 length and diameter of 1.570. The item consists of (A) signal case assy (B) star assy upper (C) star assy lower (D) wad dise assy (E) number of components. A. Single case assy consists of two parts (1) primer percussion M39A1 (2) signal case. The signal case is the shape of a shotgun stell onade from at alloy rod or bar 1100-0 spec ASTM B211 or B-221 length 3.38 and diameter 1.568. B. Star assy upper consists of A(1) cup material at alloy sheet 1100-0 spec ASTM-B209 length -25° 1.D. 1.375 and wall thickness 10. Seven holes are drilled in battom of cup 6 holes. .187 diameter and a center hole .24 diameter 12) disse material at alloy sheet 1100-114 spec ASTM B209 diameter .350 thickness .0100 with 7 holes identical to those in the cup. 3. Quickmatch type II class B spec JAN Q378 3° long. 4. Charge star weight 1.66 ounces red no 201C spec MIL-P-20334. Star assy lower specification same as B star assy upper. Wad disc assy consists of 1 was cushloning lower material felt sheet wool pressed type I class 16R3 Spec Caf 206 O.D. 1.51°. Thickness .375 with a center hole of .68° diameter (2) disc retaining material paper onload skin spec jan-p-157 of 1.54 by .002 thick. The following individual compinents top material steel strip ASTM-109 O.D. 1.536 by .135 thickness and maximum width .243 Disc spacer material chipboard plain class 11 spec uu-c-282 diameter .45° by .064 thickness (3) wad eushing upper of 1.51°X. No security clearance required to receive APPI. AP-USAMUCOM.

APPI No. AT-85. Box Assembly, Traverse Gear. The ORD 7739314 box assembly traverse gear is to a security clearance required to receive APPI.

APPI No. AT-85. Box Assembly, Traverse Gear. The ORL 7739314 box assembly traverse gear is a sub-assembly of traversing gear assembly which traverses n tank turret by either manual or hydarulic power. Assembly is hull mounted in gunners compartment. This sub-assembly consists of following components: (a) differential assembly (b) overload clutch assembly (c) output pinton drive (d) magnetic

brake assembly (c) oll pump (f) upper and lower case assembly (g) gaskets (h) seals (l) oil tubes (j) fittings (k) common hardware. SNL APP G292 FSN 2520-621-9567. No clearance required to obtain APPI. USATAC.

USATAC.

APPI No. AT-86. Differential 3/4 Ton. The ORD 7373714 differential with carrier assembly is a component of a front driving axie which allows vehicle wheels to have equalized traction on straightaway, and different rotational speeds during turns. Power is provided through a shaft from power take-off. This assembly consists of following components: (a) housing (b) matched ring and pinion gear (c) side gears (d) spider pinions (c) pinion shafts (f) washers (g) lock nut (h) anti-friction bearing (f) differential case (f) common hardware. SNL APP G741, FSN 2520-737-3714. No clearance required to obtain APPI No. AT-87. Drive. Bnal with container, The

APPI. USATAC.

APPI No. AT-87. Drive, Bnal with container. The ORD 10936609 final drive is a hull mounted component of power train for a tracked vehicle and provides power from crossdrive transmission to drive sprockets. This drive assembly consists of following components: (a) housing and cover assembly gear shafts (c) drive gears (d) antifriction bearings (e) seals (f) gaskets (g) spacers (h) common hardware. Skid mounted metal reusable container to be furnished by supplier. SNL APP G206. FSN 2520-964-9203. No clearance required to obtain APPI. USATAC.

USATAC.

APPI No. AT-88. Drive Auxiliary. The ORD 109 09042 auxiliary drive is used to drive the generator, hydraulic pump and engine cooling fan in a tracked vehicle. This is a duplex unit, hull mounted and powered by a shaft from the power take-off unit. This drive unit consists of following components:

(a) gear housing (b) shaft housing (c) clutch housing (d) filler tube (e) pulley (f) elutch case (g) gear case (h) level gears (l) antifriction bearing (l) magnetic clutch (k) gaskots (l) seals (m) receptacle (n) gear shafts (o) loci nuts (p) common hardware. SNL APP O295. FSN 2520-034-0768. No clearance required to obtain APPI, USATAC.

APPI No. AT-89. Transmission assembly with

APPI No. AT-89. Transmission assembly with metal container The DRD 5703527 Iransmission is

used to transmit driving power from the engine thirmigh selected gear ratios and speeds to driving wheels. This transmission is classed as a conventional syncromesh type with provision in minute power take-off unit. This transmission assembly consists of following compinents (a) case (b) cover assembly (c) clutch housing (d) attached parts (e) shift mechanism (f) gear shafts (g) gear (h) autifriction bearings (i) seals (j) gaskets (k) common hardware. Metal reusable container for transmission to be furnished by supplier. SNI. APP Gt44. FSN 2520-973-4086. No clearance required to obtain APPI. USATAC. USATAC.

APPI No. AT-90. Pump fuel injection. The ORO APPI No. AT-90. Pump fuel injection. The ORO 10865193 fuel injection pump is a component of the fuel system tot a tracked vehicle, and furnishes fuel through a obetered, timed injection cycle to a 12 cylinder air cooled gasoline engine. This injection pump consists of following components: (a) idle adjustment assembly (b) wobile plate pump assembly (c) distributor block assembly (d) metering valve (e) metering bead assembly (d) gasket set (g) common hordware. SNL APP G298 (G274). FSN 2910-714-8653. No clearance required to obtain APPI. USATAC. USATAC.

USATAC.

APPI No. AT-91, Motor, windshield wiper, pneumatic. The ORD 7539696 windshield wiper motor is a major component of the windshield wiper group for a wheeled vehicle. This motor assembly consists of following component: (a) cylinder assembly (b) head assembly (c) piston (d) shaft assembly (e) cups (f) springs (g) internal head assembly (h) end caps (f) stop assembly (j) cover assembly (h) mounting plate (l) common hardware. SNL APP G742. FSN 2540-191-4122. No clearance required to obtain APPI, USATAC.

USATAC.

APPI No. AT-92. Tire pneumatic 9:00 x 20, 8 ply
NDCC nylmn truck and birs. The ORO 515090 pneumatic tire is a major component of the traction system for a wheeled vehicle. This tire assembly has
the following hasic characteristics: (a) ply rating -8
(b) type classification — trk and birs (c) tread type
— NDCC (d) cord materiel — nylon (c) max rated
load — 3240 lbs (f) inflation pressure 75 PSI (g)
APP width 10.9 (li) APP dia 41. in. Specification
ML-T-46729A. SNI. APP-Multiple. FSN 261002628677. No clearance required to obtain APPI. USATAC.

APPI No. AV-95D. 1. Cancellation of APPI la.

APPI No. AV-95R-1, Cancellation of APPI. In-dicator, published previously as APPI No. AV-95R-1, indicator, attitude, synopsized in 5 July 1966 issue of Commerce Business Daily, is hereby cancelled by USAAVCOM.

by USAAVCOM.

APPI No. AV-111, Indicator, turo and slip. Integral stabilization, pointer, I. Used to show pitch of Acft., fluorescent fluish, w/o instrument lamp, 28V DC, electrical connection, 1, 3-PIN contacts, and 10066-105L-3P. O/A dim., 5.235 in. din., 2.375 in. W. and H., Bezel Mtd, Mtl.-1-7627, Type Mtl-1A, FSN 6610-557-0900. This item is on QPt. No. 7627-3. Interested concerns should contact Navy Bureau of Weapons to have their product tested and qualified. No clearance required to obtain APPI, USA-AV-10.

APU.M.
APPI No. AV-112. Generator assembly, engine driven, 30 Volt. DC. Type MA-3. Appl., multiple alreraft. FSN 2925-628-8179. This item is on QPL No. 6162-13. Interested concerns shundle contact Navy Bureau of Weapons. Washington, D. C. to have their product tested and qualified. No clearance required to obtain APPI. USAAVCOM.

to obtain APPI. USAAVCUM.

APPI No, AV-113. Indicator, indicated air speed, dial, 1 scale, air speed, 0 to 250 knots range, 20 knots graduated increments, linish of graduations, fluorescent numerats and lined increments, pointer data 1. fluorescent fioish w/o instrument lamp O/A dim, 2-1/8 in. deep porm 1/8 in., 2-3/4 in. dia., nanel mtd., Gov't spee data, MIL-1-5721A, MS 28021-1. FSN 6610-726-0247. This is a QPL Item. Interested concerns should contact Wright Pattersni AFB to have their product tested and approved. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-114. Generator, taeliometer. Elec-

clearance required to obtain APPI. USAAVCOM.

APPI No. AV-114. Generator, tachometer, Electrical output, accuracy and operating speed per MILG-5413. 4 Rotor poles, dim 4-3/8 in, Ig., excl shaft, 2-3/8 in, W., 3-15/32 in H. shaft extends 562 in, from end of enclosure, end mig., 4 holes, 281 in, dia, on 1.976 in by 1.976 in, centers, terminal, i, connector, right angle, sq. shaft, 244 in, across flats, MILG-5413, Type I, AN 5547, FSN 6680-557-0835. This item is on OPL No. 5413-15, Interested concerns should contact Bureau of Naval Weapons to have their product tested and approved. No clearance required to receive APPI, USAAVCOM.

APPI No. AV-115, Iodicator, electrical tachomter, Panel Mtg., 0 to 4500 RPM O/A Range, I Scale RPM, 0 to 45 range of numerical marking, 100 RPM smallest increment, major & minor graduations white, 1 pointer, rotating hand, black W/white tip, marked, 1, i pointer, rotating hand, black W/white 1p, marked, 2, RD Case, O/A dim., 3 in dia., 5 in, max deep, 1 electrical connection, 3 pin insert contacts, MS 33678-14S-7P, operating mechanism, synchronous motor, AC, 1 to 1 speed ratio of generating

the semiflaction for semiflaction mig.

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CPPI So. AV 118 Valve, p great, engine. Design Critics in a street AMS STOO, head, seat, the control of the product of the control of the con

APPING AVOITS B comparates as Sylo IA, Sect. 10 (1991), in 1981 S. Sid, AMN, 5243, not rated for the action of the sylong temperature of the sylong

APPS Wis AV 120 Fump submerged, alteraft, which is a constant FSN 2915-760-4413.

APPL No. AV 121. Valve extended, starting fuet, bote three the P.N. Edischiff Ed. and P.N. AVIF 1814. No. - multiple Acid, E.N. 174 1897-581. No. 12 for multiple Acid, E.N. 174 1897-581. No. 12 for multiple acid to obtain APPL USAAVCOM.

### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of dated October 4, 1966 page 2, No. PSA 4157 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column I first three paragraphs.

APPL No. FLASS. Amplifier, Radio Frequency, AM 4 or 5 982-28. Unst consists of amplifier assumed to the consists of amplifier assumed and state of the configuration with Radio Sea AN-PRO-15 for increase communities to transfer and the same frequency range for a most process for particle process for another process for another particle process for another particle process for another particle process for any all particles and particl

APPI No. FLAT. Direction Finder Set, ANITRD-APPI No. FLAT. Direction Finder Set, ANITRD-1 A complete Settler mounted direction finding to the control of the settle states as well as a simulful and the control of the settle states as well as a simulful and the control of the settle settle states as well as a simulful and the control of the settle se

APPE No. PR-88. Rad o Set Control Group ANYResolver Surface steleptione operation
mid-to-by miles between Controls C-22286 (IGR
of 5.25 to 10 km ferrors push-to-talk operation
to the memory of a tone transmission
to the memory of a

By discope. ANIUSM-140. A avilloscope intended for gen-serving and precisely meas-ik mounted use see ANV-reg to obtain USAECOM

APPI No. EL-90. Amplifier-Power Supply Group OA-36331 )/GRC. Adapts Radio Set AN/PRC-25 for vehicular installation. Provides regulated 13V input voltage to the radio set and amplifies the audio output of the receiver to furnish loudspeaker power levels. In addition, provides electrical servo information to the antenna matching network mounted on the vehicle. (No sety clue req to obtain USAECOM APPIs.)

USAECOM APPIs.)

APPI No. 91. Receiver-Transmitter, Radio RT-246/VRC. A rugged compact FM receiver-transmiter in a watertight case. It may be manually timed from the front panel to any frequency in the range of 30MC to 75.95MC in 50 KC increments, of automatically tuned from the front panel, or remotely, to any of the ten press frequencies within the 30MC to 75.95MC tuning range. (No sety cine req to obtain USAECOM APPIs.)

APPI No. E1.92 Benefiver-Transmitter - Radio APPIs.)

the 30MC to 75.95MC tuning range. (No sety elnered to obtain USAECOM APPIs.)

APPI No. EL-92. Receiver-Transmitter, Radio, RT-524/VRC. A rugged compact FM receiver-transmitter in a watertight case. It is tuned manually from the front panel to any frequency in the range of 30 MC to 75.95 MC in 50 KC increments. An integral loudspeaker, is mounted on a front panel. (No sety clnc req to obtain USAECOM APPIs.)

APPI No. EL-93. Receiver-Transmitter, Radio RT-505f PRC-25. Receives and transmits from signals in the frequency range of 30 to 75.95 MC. (No sety clnc req to obtain USAECOM APPIs.)

APPI No. EL-94. Radar Set AN/PP-5(). A lightweight, miniaturized, combal surveillance radar utilizing a silent type power supply. This equipment capable of detecting and lineating, under conditions of poor visibilty, moving targets such as personnel and vehicles. Also capable of detecting and locating large fixed targets under line-6-sight conditions. To be used in lorward combat areas to provide intelligence of enemy movements. (No sety clnc req to obtain USAECOM APPIs.)

APPI No. 95. Radiacmeter, IM-174()/PD. De-

APPI No. 95. Radiacmeter, IM-174( )/PD. Detects and measures Gamma Rays. (No sety cluc req to obtain USAECOM APPIs.)

APPI No. 96. Receiver-Radio, R-442/VRC, A rugged, lightweight, compact, FM receiver fitted in a waterlight case. The receiver is manually minable over the frequency range of 30 MC to 75.95 MC, in 50 KC increments covered in two bands. (No sety cline req to obtain USAECOM APPIs.)

APPI No. EL-97. Receiver-Radio, R-442/VRC. Produces a continuous audio and/or radio frequency vottage, and which is designed for test perprises only. It may provide an ontput at one or more fixed frequencies or be continuously variable over one nr more bands. (No sety elne req to obtain USAECOM APPIs.)

APPI No. EL-98. Test Set Telah menriter. AN/
GGM-1: Provides for Testing and Landysis of
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API No. EL-99. Radio Set AN/PRC-25(). A complere portable radio set for use over the frequency range of 30 to 75.95 mc. This radio set is espable of operating from a 24 volt vehicular system when used with Amplifier Power Supply Group OA-3633()/PRC-25. (No sety cline req to obtain USAECOM APPIs.)

APPIs.)

APPI No. EL-160. Power Supply, PP-1104( )/G. A salenium rectifier element and associated automatic voltage regulator and filter system is utilized and designed to convert conventional 1 AC electric power into low voltage DC to operate 12 and 24 volt signal corps equipment in small signal field maintenance shop. (No sety clnc req to obtain USA-ECOM APPIs.)

APPI No. AP-4RI reprinted from previous printing in CBD is as follows:

ing in CBD is as follows:

APPI No. AP4 Ammunition item metal fabrication and explosive loaded. Booster M125A1 mpts w/loaded M17 detonator. Approximately 2" diameter by 2" long. Nine components and 6 subassemblies, contains timing components, gear and plnion assembly, escape wheel, pins, rotors, springs, etc. Firm will require competent staff of engineers and tool engineers and ability to produce precision parts and precision assemblies by mass production techniques. Also requires lonal approval store, handle, load, explosive detonators. Considered extremely difficult item to produce. APSA-USAMUCOM. APPI No. AP-19RI reprinted from previous print-

Secret clearance required.

APPI No. AP-19R1 reprinted from previous printing in CBD is as follows:

APPI No. AP-19. Amnumition Item-Filze, rocket XM423 metal parts with Detonator MK59, model O with primer XM94E1 with booster MPTS, 4.035 inches maximum length by 1.75 inch diameter. Consists of five (5) major components: striker, pin body assembly, material, aluminum, alloy, 2024, temper T351, Rod; firing pin body assembly, material, aluminum alloy; device, safety and arming, consists of 33 metal parts such as gears, pinions, springs and rotors; screw scaling disc, malerial, aluminum, alloy 2024; housing booster, about 1.115 inches long by varvine nutside dimensions, material, carbon steel

bar, hot-rolled. Manufacturing firms bidding this item will require highly competent staff of engineers, metallurgists, chemists and tool design engineers, Item considered difficult to produce. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-20RI reprinted from previous printing in CBD is as follows:

APPI No. AP-20. Amountation Item-Firze, rocket, XM427 metal parts with delonator MK59. Basic description same as AP-19. No clearance required to receive APPI. AP-USAMUCOM.

to receive APPI. AP-USAMUCOM.

APPI No. AP-22RI reprinted from previous printing in the CBD is as follows:

APPI No. AP-22. Ammunition Item, Complete Head Assembly for M525/T336E7/ and M527BI Fize, Point Detonating, a Timing Device, approx 1.5 inches long by 1.38 Inches ontside diameter. Consisting of a Movement Assembly Containing a Housing Assembly Composed of Housing and Sethack Detent, Material, Brass Rod Spec QQ-B-626; a Firing Pin Assembly, Composed of Firing Pin, Material, Alominum Alloy Rod, Specs QQ-200/3A or QQ-A-225/6A, Bushing Retainer, Lower Bushing, and Top Plate Assembly, Composed of Upper Bushing, Material Brass Rod, Spec QQ-B-626, a Top Plate, Material Brass Sheet, Spec QQ-B-6613, Drive Gear and Stop Pin Assembly, and Sriker Assembly. Head Assembly also contains Release and Plungei Springs, Material, Wire, Steel, Spring, Musle, Spec QQ-W-470. Manufacturers Bidding on Item will require competent Technical Staff of Engineers, Melahirgists and Tool Designrs, Item considered very difficult to manufacture. No clearance required to receive APPI. APSA-MUCOM.

APPI No. AP-60RI reprinted from previous print-

difficult to manufacture. No clearance required to receive APPI. APSA-MUCOM.

APPI No. AP-60RI reprinted from previous printing in the CBD is as follows:

APPI No. AP-60RI reprinted from previous printing in the CBD is as follows:

APPI No. AP-60. Fnze, MT, M565, approximately 2.4" D x 5.726" L procured with detonator and relay loaded, consists of approximately 149 component parts and 76 sub-assys; body is 2.40" D x 1.53" L counterbored, threaded, holes and slots, brass, specification MIL-B-13351 or QQ-B-637; ring lock 1.775" 1.D. x 2?" L with 1 15/16" 24 thread on OD two slots one side, stainless steel 416,QQ-S-763; head 1.61" D x 2.27" L tapered, alminimm 2024-T4, specification QQ-A-200/3 or QQ-A-225/6 or aluminum die casting specification QQ-A-591. Plub closing 1.655" I.D. x 3.95" L various holes, enumerbores, aluminum 2024-T4, honsing t.884" D x 1.625" L x 1.67 counterbore x 1.167 deep barlous holes, stainless steel 416, QQ-S-763; can Inwer 2.185" D tapered aluminum alloy specification ASTM B211 or B221; body 1.74" D x 1.123 L counterbores and precision holes, brass specification MIL-B-13351, pinious, shafts, screws plates, springs, discs, collars, pinious, shafts, with require a highly competent technical staff including metallurgists and lool and design engineers, as well as effective quality assurance system. Very difficult to produce to applicable specifications. No clearance required to oblain APPI, AP-USAMUCOM.

APPI No. AP-9RI reprinted from previous printing in the CBD is as follows:

AP-USAMUCOM.

APPI No. AP-9RI reprinted from previous printing in the CBD is as follows:

APPI No. AP-9 Rev I Lnaded item - Cnrd Detonating Reinforced Plastic Wrap, type 1, PETN core procured loaded, 0.175" max. dia. to 0.235" max. dia. depending on class, textile cover, plastic calling finish, max. weight per 1000 ft. length, inln. break strength, detonating velocity, propagation, etc. per spec MIL-C-17124B. Fifty ft. lengths on fiber or chipboard cores longer lengths on commercial spools. Technical staff familiar with handling explosive material required. No clearance required to receive APPI. APSA-USAMUCOM.

material required. No clearance required to receive APPI. APSA-USAMUCOM.

APPI No. AP-50R reprinted from previous printing in the CBD is as follows:

APPI No. AP-50, Simulator, hund grenade Milea in the CBD is as follows:

APPI No. AP-50, Simulator, hund grenade Milea in the CBD is a follows:

APPI No. AP-50, Simulator, hund grenade Milea in the CBD is a follows:

APPI No. AP-50, Simulator, hund grenade Milea in the CBD is a follows:

APPI No. AP-50, Simulator, hund grenade Milea in the calculation of fuse lighter M3A1 and is thrown like a hand grenade. It hums for 6 to 10 seconds after Ignilion, producing a flash and accompanying loud report. The fuse lighter M3A1 is 4.5 inches long by 1.5 inche diameter procured loaded with upproximately 1.3 ounces photoflash pnwder, Major Components: Tube Onter (2 each) 2.25 inches long by .51 inch outside diameter by .065 luch wall thickness, material kraft paper, convolute or spiral wound, sleeve 2 inches long by .42 luch outside diameter material, kraft paper convolute or spiral wound. Tube 2.25 inches long by .34 inch outside diameter material, kraft paper. Disc i and disc 2 board hinders sheet and can material, polysiyrene. Cup igniter .25 inch diameter p. 22 inch length by .014 inch walt thickness, material, gilding metal sirlps, ferrnle (2 each) 5/8 lnch long by .26 inch diameter by .008 inch wall thickness, Clip safety formed wire 1.25 inches long. Cord, pull 8 inches long material, nylon. Simulator must withstand in limble test Specification Mil.-STD-351. Sealed cartons of simulators to willistand waterproof lest for. 4 hours. Firms producting items will be required to maintain effective quality assurance system required by Specification MIL-145208. This item is

considered difficult to produce to required specifications. No clearance required to receive APPI. USAMUCOM APSA.
APPI No. AP-3RI reprinted from previous printing in the CBD is as follows:
APPI No. AP3 Ammunition item metal fabrication. Projectile HE 175mm M437 mpts assembly. Approximately 34 inches long. 10 components, 6.88 inch outside diameter, parabolic shape with tapered base section. Steel ASTMA 273-SST sections 1-14 inchesive for hot forge and heat treat method. Production requires highly technical staff engineers, metallorgists, chemists, and tool designers. Considered very difficult to produce to applicable specifications. APSA-USAMUCOM. Secret clearance required.

AP-90, Simulator Boolly Trap Flash I-consists of approximately 18 com-API No. AP-90. Simulator Boolty Trap Flash-M117 loaded - consists of approximately 18 components. Complete assembly is approximately 47 long x 1" diameter fabricated from steel strip FS-1009 high carbon steel bright music wire kraft paper commercial felt miniber 10 glue quickmatch adhesive tape type II grade B and charge composition consisting of 50 PCT potassium perchlorate grafts A granulation number 12. Firms bid-APPI No. 33 Pel animony sinuse and 17 measure 132 files bidding on this item should have a technical staff familiar with pryotechnics manufacturing processes. This item is considered somewhat difficult to produce in accordance with government specifications, No security clearance required to receive APPI. AP-

This item is considered somewhat difficult to produce in accordance with government specifications, No security clearance required to receive APP1, AP-USAMUCOM.

APPI No. AP-91. Fuze Hand Grenade Practice M205A2 consists of 11 components and 5 assemblies. Body approx 2,3" x 8.1" x 1.7" L material zline base alloy ille casting AC46A or AC4IA ASTM Il-86 or diuminum alloy die casting ASTM Il-85. Lever former silver former and the former silver forme

alion rod 1/2" diameter and washer delay. Same material as holder delay. Various components require pitosphating painting plating to meet various salt spruy requirements. Manufacturing firms bidding this item will require a competent staff of engineers metallurgists and tool engineers io design and maintain precision tools. This item is considered somewhat illificult to produce in accordance with specifications. No security clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-93. Fize Mine M605 MPTS is 444" L X approx .94" W with 3 assembles and 22 components. Release safety assy consisting of stand-

ard ordnance eyelet cotter pin and 10 inch cord material commercial glazed curtain fixture NR 2 or commercial white 8 strand cotton cord. Pin safety striker positive assy 2 components cord 10" L material cord linen waxed 6 ply and pin safety striker 1.0" L X .11" Max D with 3 machined steps to minimum of 0.44" with holes drilled in diameters at each end material zinc die cast base alloy cast comp 5 5A 10 or 11. Prong 3 EA 1" L X .075" D with Bats .078" x 1 1/16" W 1/8" Irom end of prong material steel music wire. Head safety .50 L X .285" D drill thru .125" D with slot .075" x .09" L material aluminum alloy rod condition T alternate aluminum alloy die cast comp 5 5A 10 or 11 alternate zinc base alloy comp B. Pin 1.9" L X .0360 D with .08" eye Inside diameter at one end material steel, music wire. Pin .98" L X .280" D with machined flat on side to .246" x .55" L, off center hole .312" D and trunnion. .212" D X .425" L naterial, steel, bar FS1117, CF. Trigger, 1.225" L X major diameter .665" step diameter .375" with .129" center hole tapered .226" deep on one end with .42" L flat on opposite end, material, zinc base alloy die cast comp B alternate alum alloy die cast comp 5 5A 10 or 11. Ring release 3/8" O. D. with 2 projecting ends, approx 2 full coils, material, steel, .945" not 11. Ring release 3/8" O. D. with 2 projecting ends, approx 2 full coils, material, steel, .945 inch diameter, miscs spring wire. Striker 3.213" L x .126" D with two stepped collar .755" and thread .4375" 20 UNF-18 plus thread .625 - 11 UNC-1A with .4375 1D, material, zice base alloy die cast, comp B alternate alum alloy die cast comp 5 5A 10 or 11. Washer 8 point star shaped. .368" D x .128" ID x .058" thick material, steel, .055 D diameter, miscs spring wire. Striker 3.213" L x .505" D with two stepped collar .755" and thread .4375" 20 UNF-18 plus thread .625 - 11 UNC-1A with .4375 1D, material, zice base alloy die cast, comp B alternate alum alloy die cast comp 5 5A 10 or 11. Washer 8 point star shaped. .368" D x .128" ID x .058" thic

required to receive this APPI. AP-USAMUCOM. APPI No. 30. Chemical Agent. Thickener, Incendiary Oil. M4. The thickener, incendiary oil. M4 is a chemical agent composed of the diacid aluminam soap of Isooctanoic acid and an antiagglomerant in accordance with Miilitary Specification No. MIL-T-50009A. The isooctanoic acid shall consist of a mixture of acids derived from Isooctyl alcohol and shall contain principally dimethylhexanoic acid, methyl heptanoic acid, and methylethylpentanoic poid. Commercial mixing, filtering and drying equipment wind be required. No security clearance is required to obtain APPI.

APPI No. AV-122. Stand, test, aircraft generator. Variable speed drive, generator mounting bracket, blower tachometer, dual shaft output, for 3 phase 50/60 cycle, 200/440 volts, operation with reduced voltage starting. FSN 4920-626-9699, No clearance required to obtain APPI. USAAVCOM.

regnired to obtain APPI. USAAVCOM.

APPI No. AV-123, Container, reinforced plastic, resulable. Maintenance support (X-4) in accordance with limited coordination Military specification, Capacity of box is 200 cu ft. approx 1,000 lbs. in weight. for use with A 6,000 lb payload. FSN R115-900-8193. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-124. Riveter, blind, pnenmatic, 3/16 in dla, max rivet capacity, pulling head attachment. Accessories, 1 case (95354), 1 grip gage, double end 1/8 and 5/32 in (G-58-I). I Grip gage, notible end, 3/16 and 1/4 in (G-58-2). FSN 5130-580-2305. Procurement by P/N. No clearance required to nbtain APPI USAAVCOM.

APPI No. AV-125. Elbow, swivel nut, hose, Cres body and nut, 90 deg angle, 5/8 in OD tube, ID of tube. A/A, hose connection end data, style 7, the

rescent letters numerals and lined increments, pointer data, clock-hand type, throrescent Bluminated, incased, w/o instrument lamp socket, etectrical data, AC, 26V, 400 cycles, single phase, connection data, electrical, 1, 3 pin contacts, and 10066C-toSL-3P, o/a dim., 2-5/8 in Ig, 2 in dia, clamp mtg., MIL-125578, type MO-3, appl engine instrument, Acft. FSN 6620-581-2268, No clearnace required to obtain APPL USAAVCOM.

APPI No. AV-127. Switch, fuel. For auxiliary power unit (APU). Appt, CH-47 aircraft. It/N identification only. FSN 2915-984-649. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-128. Filter, fluid, pressure. Permanent type, 6225 PSI, max rated operating pressure, isingle unit, I filtration element, cres, metal encased, resulable, 10 microns, nom filtration, 25 microns, absolute filtration, I inlet and I outlet connection, that for tube filting, w/o tube fitting, 9/16-18 thd, UNF, RH, internal, side tocation, w/Air-bleed valve, fastened by 2 mig holes in lead, dim., 5,620 in 12, 200 in W, 2,540 in to 2,560 in R, alimninum alloy sediment, appl., hydranitic inst., Acft. FSN 1650-963-2106. No clearance required to obtain APPI. USA. APPI No. AT-93. Tire Pnenmatic 9.00 x 16. 8 ply

AVCOM.

APPI No. AT-93. Tire Pnenmatic 9.00 x 16, 8 ply NDMS nylon it truck. The MS 35388.1 pneumatic tire is a major component of the traction system for a wheeled vehicle. This tire assembly has the following basic characteristics: (a) ply rating - 8 (b) type classification - 1t trk (c) tread type · NDMS (d) cord material - nylon (e) max rated load - 2640 lbs (f) inflation pressure - 50 PS1 (g) APP width 10.7 in (h) APP dia - 36.6 in. Specification MIL.T-46729A. SNL APP - Multiple. FSN 2610-540-4719. No clearance required to obtain APP1. USATAC. APP1 No. AT-94. Pad, driver's hatch, crash. The ORD 10866033 pad is a protective device mounted in the hatch ring of a tracked vehicle for benefit of crew. This pad assembly consists of following components: (a) frame (b) cushloning material (c) cover (d) mounting ring. SNL APP-G294, G312. FSN 2540-767-5411. No clearance required to obtain APP1. USATAC.

USATAC.

APPI No. AT-95. Rectifier, metallic assembly. The ORD 10336129 rectifier in conjunction with an alternator comprises the 24 volt electrical generating system for an engine installed in a tracked vehicle. This rectilier assembly consists of following components: (a) metal case (b) activated rectifier plates (c) spacers (d) insulated cables (e) cannon plugs (f) mounting pins (g) common hardware. Rectifier required to be fungus and waterproof, rust and corrosion resistant. SNL APP-G300, FSN 6130-065 1975. No cleatance required to obtain APPI, USATAC.

APPI No. AT-96. Parts kit, universal joint propel-

No clearance required to obtain APPI. USATAC.

APPI No. AT-96. Parts kit, universal joint propeller-shaft. The ORD 8331569 parts kit is a direct replacement for 2 1/2 ton wheeled vehicle propeller shaft universal joints that become unserviceable. This kit consists of following components: (a) 4 bearing assemblies (b) journal assembly (c) 4 snap rings. SNL APP. Multiple. FSN 220-692-6200. No clearance required to obtain APPI. USATAC.

APPI No. AT-97. Pages Kit, universal tolor, front

quired to obtain APPI. USATAC.

APPI No. AT-97. Parts Kit, universal joint, front and rear axle drive shaft. The ORD 5702194 parts kit is provided for both front and rear wheel drive shaft joints for a 1/4 ton wheeled vehicle. This kit consists of following components: (a) 3 bearing sets (b) cross assembly (c) 4 seals (d) 2 snap rings (e) (10 washers (f) "U" bolts (g) common hardware. SNL APP.G838. FSN 2520-857-1413. No clearance required to obtain APPI. USATAC.

APPI No. AT-98. Shock absorber, assembly Iront.

required to obtain APPI. USATAC.

APPI No. AT-98, Shock absorber, assembly front. The ORD 7409617 shock absorber assembly is a delco repairable type and a component of the 5 ton wheeled vehicle suspension system. This shock absorber assembly consists of the following components: (a) upper and lower oyer tube with integral eye (b) reservoir tube (c) piston with rod assembly (d) orfice plate (e) piston rod guide with seal assembly (f) special washers (g) springs (f) valves (f) bafflering. SNL G744. FSN 2540-740-9617. No clearance required to obtain APP1. USATAC.

APPI No. AT-99. Disk, driven clutch assembly

required to obtain APPI, USATAC.

APPI No. AT-99. Disk, driven clutch assembly
The ORD 8735503 disk assembly is a component of
the 5 ton wheeled vehicle power train. This as
sembly consists of following components: (a) cast of
lorged steel hub with internal splines (b) flexible
disk (c) 2 friction facings (d) rigs (e) adhesive to
secure facings to disk. SNL APP G744. FSN 2520
1097-3197. No clearance required to obtain APPI
USATAC.

APPI No. AT-100 Cover control of the clearance.

USATAC.

APPI No. AT-100. Cover assembly, cargo body top
The ORD 6416338 cover assembly is used to protec
personnel and cargo from inclement weather and
unfavorable conditions during vehicle operation. Thi
unfavorable conditions during vehicle operation. Thi
cover assembly consists of following components
(a) No. 8 processed canvas (b) grommets (c) tie-down
(ropes (d) straps and buckle assemblies (e) rivets (ropes (d) straps (d) straps (d) ropes (d) rope

1 %

and Hawk I turncher Electronics for mounting on a tracked vehicle (XM 727) of the M 113 family. Various hydranic and other mechanical subsystems will be provided for the XM 727 to position the bilan defluctor fact, burner, suspension tockout pistons, recting of scable, etc. required to prepare the recting of scable, etc. required to prepare the scholar for missile launch. This APPI is released for the contracting appointmess only. Secret clearance required to obtain APPI. No Federal Stock Number advanced to obtain APPI. No Federal Stock Number advanced Research for additional information should be directed it Raytheon Co. Missile and Space Division), Arthore, Mass, USAMICOM.

APPI No. MI-65, Pittoon Command Post (PCP).

the Mootle and Space Division, Andover No Federal Speck Number assigned, Secre ance required to obtain APPL USAMICOM.

anse required to chain APPI. USAMICOM.

APPI No. MI-66. The Forward Area Connect Support Set (FACS) (SHILLE) AGH MISSILE SYS-II M) in Judges a Transmitter Beam Pattern Analyzer, Conducte Set Grasp Analyzer and an Accessory Circle, eith certained in a waterproof case. The FACSs is used to perform the functions of measuring transmitter beam patentials, ratho of beam intensities and finds to fating a removable major item of the Statistics of Mo. AIFI vehicle. No Federal Stock Statistics of Mo. AIFI vehicle. No Federal Stock Statistics and respectively and requirements for listed year 67 ages for a Hansing information should be directed to Aetonian and Ice. Semport Beach, Calif. Mehod of productment for listed years 68 and 69 will be competitive or accounted. Confidential cleanance required to desira APPI USAMICOM.

APPI No. MI-67. Advance Development of the

quired to obtain APPI USAMICOM.

APPI No. MI-61, Advance Development of the Softweeto Air Missile Development (SAM-D). The SAM-D is interded to simultaneously acquire, track, librarily, and dratos multiple all-supported targets, otherize both performance missiles at a minimum resistant time. This APPI is released for sub-contracting opportunities unity. The following contractors may be contracted for additional information on this APPI state they are presently performing the Contract Definition. Raishnan Co. Missile Systems Div. Bedford Mass. 017to, Hughes Aircraft Co., Ground Solema Giosap. Editention. Calif., 92634, Radio Corp., of America, Defense Electronics Products, Mioretiown N. J. 10020. No Federal Stock Num. Moorestown N. J. 10020 No Federal Stock Num-ber assigned No Clearance required to obtain APPI, USAMICOM

APPI No. ME-69R1 REVISION, Grader, APPI No. ME-69RI REVISION. Grader, road, motanized, air diseppable, diesel engine driven; Grader shall be diesel engine driven, preumatic tired, 4 or 6 wheeled, two00 lb, min blade pull, 12 ft, blade and operable by one man for general construction work such as cozine and fine grading, fow and high bank cutting, scarifying, and flat and Viditshing. Shall grade forward and reverse. All parts if the grader shall without damage the full power of the engine at all geor ratios and under all working conditions. The grader moldboard shall perate in all positions without blade challer, weaving, or rocking. The diesel engine shall conform to Mill. ft. 11276. In accordance with MIL-C-52416. FSN 3603-961-6175. No security clearance required to obtain APPI, USAMEC.

APPI No. ME-73RI REVISION. Generator set.

APPI No. ME-3RI REVISION. Generator set, gateline engine driven, 100 KW, 400 cycle, alternating current. This set is a portable, air-cooled, 10 KW, U.S. power factor lagging at 400 cycles per second, gateline engine driven, alternating current, tabular frame, skid mounted Set shall be connectable for the following voltage ratings: 3-phase, 4-wine, 130 volts fine-to-line (130,208 volts); 2 phase, 3-wine, 120 volts fine-to-line; single phase, 2 wire, 120 volts; single phase, 3-wine, 120-240 volts. The dieset engine shall be a military design ergine, Model 4A-034, FSN 2805-776-0485, and unless otherwise specified will be furthshed by the Government. Set is intended to supply power for general purpose use. In accordance with MIL-G-5843. Not security cleatance required to obtain APPI, USAMEC.

USAMEC

APPI No. ME-80R1 REVISION. Compressor, reconsciound, power driven, air: This is a 15 cfm, 175 psig, compressor, gasoline engine driven, garage type. Multistage, reciprocating, air cooled, plston compressor with an air teservoir, air hose, with an automatic unloader and air cleaner. Compressor shall be a base mounted unit, capable of being assembled on a Government loaned 1/4 ton, 2 wheel, military standard trailer chassis Model No. M569, FSN 2120-884-8817. The capacity of the receiver task shall be not less than 20 gallons. Unless otherse specified, a Government-furnished military ign 6 hp engine. Model No. 4A032, FSN 2804-

776.0483, shall be provided. The compressors are intended for use as a source of compressed air in the normal operations conducted at filling slations and vehicle maintenance shops. In accordance with MIL-C-13874, Type I, Class 4, Style 2, FSN 4310-752-9634. No security clearance required to obtain APPI. USAMEC.

752-9634. No security clearance required to obtain APPI. USAMEC.

APPI No. ME-101. Distributor, bituminons material, tank type, truck mounted, 800 Gallon Capacity: This distributor shall consist of a tank heating system, pumping unit, full circulating spray bar which can be extended to length of 24 feel, hand spray attachment, and all accessory equipment necessary to make a complete distributor. The overall width of the complete distributor when bar is in folded position shall be not more than 9 inches. The bituninous pumping unit shall consist of the gasoline engine, clutch and transmission. The 375 GPM bituminous pump shall be powered by one industrial type gasoline engine conforming to MIL-E-755. Group 2. The engine shall be furnished complete with all accessories. Distributor shall be mounted on a Government lurnished military trucknassis, 5-ton, 6x6, Model No. M61-A2, including a personnel heater and delroster, slave receplacte kit, and without winch, in accordance with MIL-T-740. The distributors are primarily intended for use in accurately applying bitumen during formation of situmens of transferring bitumens of or application of bitumen for dust alleviation, in accordance with MIL-D-575, Type 1, Class A, FSN obtain APPI. USAMEC.

APPI No. ME-102. Sawmill, circular, semi-trailer mounted, 60° Blade, Diesel Engine Driven: The

used for transporting or transfering obtained and polication of bitument for dust alleviation. In accordance with MIL-D-575, Type 1, Class A, FSN 1895-663-4680. No security clearance required to obtain APP1. USAMEC.

APP1 No. ME-102. Sawmill, circular, semi-trailer mointed, 60° Blade, Diesel Engine Driven: The mobile sawmill shall be "right hand" and shall consist of a log deck, deck conveyor, log stop, log loader, carriage track, carriage husk, hendsaw, sawdust-removal system, lumber rolls, diesel engine, a running gear, and a skid-mounted, diesel-engine powered, 3-saw edger that is transportable on the basic mill. The sawmill shall withstand towing at speeds of 15 to 20 mph over gravel roads, without break-age or permanent delormation of any part or component. Sawmill shall load and saw logs up to 36° in diameter and 20 ft, in length, and shall produce not less than 1260 feet board measure of 3 inch cantis per hour from No. 1 green oak logs 18 to 24 in. in diameter. This production rate shall be achieved when employing not more than seven men. Sawmill shall be apable of being assembled without welding from the transport position in not more than 5 haurs by seven men with a 16-ton crane, and disassembled without any members being cut and prepared for transport in 2 hours by seven men with a 10-ton crane. Overall length shall be 38 ft. 10 in, overall width 9 ft., overall height 10 ft. 8 in, gross vehicle weight 48,000 lbs. Both diesel engines Including instruments and instrument panel, means for connection to an auxiliary fuel supply, a precleaner, salety devices, a clutch a charging nenerator and regulator, a charging receptacle, and an enclosure thousing) shall conform to Specification MIL-E-11276. Each fuel tank shall be of a cupacity for 8 bours of continuous rated-load operation. Sawmill brake horsepower at a speed of 1,800 rpm as established by the engine qualification tests. Sawmill machinery shall be installed on a folding, tandem-axle semitrailer. The landing gear shall be capable of individual operati

with a stroke length of 15 feet when the carriage is loaded to a gross weight of 4000 lbs. Sawmill shall be provided with one 54-inch and one 60-inch-diameter blade, inserted-trouth-type, right-hand head-saw lensioned to operate at 500 rpm. Sawdust-temoval system shall be of the blower type powered by the sawmill engine. The blower shall have a capacity of not less than 4000 cfm of air with pressure centivalent to 9 inches of water when operating at 2,700 rpm. Edger shall have one fixed saw and two additionable saws, which shall be the 14 luch diameter. 10 gage, inert-tooth type, Sawmill shall be provided with lifting and the down attachments, Sawmill is intended for use in sawing lumber and timber for military bridges and other heavy construction. In accordance with MIL-5-52205, FSN 3210-585-8197. No security clearance required to obtain APPI, USAMIC.

#### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated Nov. 1,1966 page 2 No. PSA 4177 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of

will be found on page 2, top of column 1 first three paragraphs.

APPI No. AP-30R-2, Projectile, HE, 4.2", M329A1, MPTS Is 16.395" maximum length by 4.193" maximum ontside diameter, 3 plece design, consisting of Oody, 14.28" long by 4.191" maximum ontside diameter, 3.73: inside diameter tapers down to 3.062" nose opening through a 10.218" basic radius, wall thickness in nose area is 23", base is counterbored to 3.750" inside diameter for a depth of .50", material, tube, steel, nonresulphurized, Specification QQ-T-830, Nose Adapter, 3.215" maximum outside diameter by 1.53" long threaded with a 2.0-12NS-18 thread, material, steel, nonresulphurized, ASTM Specification A107 or A108, Base, 4.165" maximum outside diameter by 1.47" long, 9375-14NS-2A, L. 11. Thread on one end, material, steel, nonresulphurized, ASTM Specification MIL-S-11310, each of the above components must have a minimum yield strength of 45,000 pounds per square inch at .1 percent offset. The base and nove adapter are brazed 360 degrees to the body with silver brazing alloy, the assembly must withstand an internal hydrostatic pressure of 2500 pounds per square inch tor 15 seconds without leaking. The interior and exterior surfaces are cleaned and phosphatized followed by a lacquiter primer on one Interior and a lusterless enamel on lacquer paint on the exterior, the exterior mist with stand a 144 hour salt spray. Two plastic Protector Caps, one for the thread on the buse and one for the opening in the nose adapter are also required. No clearance required.—AP USAMUCOM

APP1 No. AP-31R-2, Fuze, MTSQ, M564 w/ Detonator and Relay loaded is approximately 2.4

ce Caps, one for the thread on the base and one for the opening in the nose adapter are also required. The opening in the nose adapter are also required. No clearance required.—AP USAMUCOM
APPI No. AP-31R-2. Fuze, MTSQ, M564 w/ Detonator and Relay loaded is approximately 2.4 inches maximum diameter by 5.816 inches total inches maximum diameter by 5.816 inches total inches maximum diameter by 5.816 inches total procured detonator and relay loaded, complete assembly consists of approximately 166 component parts. Major components, Body, 2.40" diameter by 1.53 inches long with various counterbores, thread, holes and slots, material, brass, Specification MI1.
B-13351 or QQ-B-637, Ring, Lock, 1.775" Inside diameter by 2.7" long with 1-15/16" 24 thread on outside diameter with two .20 slots one side, material, stainless steel 416, QQ-B-763, Head, 1.785 Inches long, 1.610" outside diameter tapers to approximately 0.55", several counterbores and a .8125 -28NX-2B thread, material, aliminum alloy die casting, Specification QQ-A-591, Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00". Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF-1. Adapter, 1.377 inches long by 1.00" in diameter, 1.00-20UNIFF

20 thread nn ontside, also 1.60" 20 thread one end, material, briss, Iree machining, Specification MIL-B-13351 or briss, Composition 3, half liard, Specification QQ-N-35. Other small components such as gears, pinions, shafts, screws, piates, springs, discs, collats, pins, bushings, and "O" rings, Sub-assembles and assembly must withstand a series of rigid tests including arming, non-arming, Jolt, jumble, transportation-Vibration, temperature-humidity water-proofness, 40 foot drop, cynâmic regulation at 6000 RPM so that timing error is 0.18 percent maximum from 2 to 100 seconds at the specified frequency, ballistic tests also required. Manufacturing firms will require a highly competent technical staff of engineers, metallurgists, techniclans, tool engineers to design and maintain precision tools for mass production of precision parts. Contractor shall provide and maintain an effective quality assurance system in accordance with Specification MIL-1-45208. This item is considered extremely difficult to produce in accordance with specifications. No clearance required. AP USAMUCOM.

APPI No, AP-39R-1, Projectile, Chemical, 155ma, M111E1 MPTS Assembly consists of six (6) com-

In accordance with applicable specifications. No clearance required. AP USAMUCOM.

APPI No. AP-39R-1, Projectile, Chemical, 155mar, M121E1, MPTS Assembly consists of six (6) components, Body approximately 23.75" L x 6" D, noise section threaded and precision finished within 16 to 22 micro-inches, material, steel, ASTM-A273 or MIL-S-13310, Adapter, Filze, 2.88" D x 2.23" i. x 1.909" ID, external and internal threads, material, steel, ASTM-A107 special bar quailty or steel tabling, Specification QQ-T-830, Rotaling Band, 6.36" D x 6.00" ID x 1.075" wide, material, gilding metal, Specification MIL-B-20292 or MIL-B-20295, Gasket, 2.19" D x 1.84" ID x .125" thick, material, rinher, neoprene, Type S. Class SC, Grade SC515, Specification MIL-R-3065, VCl Paper, approximately 20" square, material volatile corrosion inhibitor paper, Type I, Class 3, Style C, Specification MIL-P-3420, Gasket Shipping 2.83" D x 2.5" ID by .13" thick, material rubber, Specification MIL-R-3055. Type S, Class SC, Grade SC820 A, B, as specifical in MIL-STD-417. Magnetic particle inspection in the noise section of each projectile required. Each projectile emist withstantly a heitim gas test. Exterior is surrounded with one atmosphere of heitim, a maximum of twenty (20) microns of mercury absolute pressure. Maximum lenk permitted is ix 10 to the minus 6, centimeters per second. Projectics are packaged on continuences of the production of specification requirements. APPI No. AP-40R-1. Case, Cartridge, 105mar, Mi4B4, MPTS Assembly is 4.211" maximum QD x

wood paliets for shlpment. This item is considered very difficult to produce to specification requirements.

APPI Nn. AP-40R-1. Case, Cartridge, 105mm, Mi4B4, MPTS Assembly is 4,211" maximum OD x approximately 14.64" L, (3) components, Body, 14.142" L x 4,211" maximum OD at mouth, mnterial, steei, 1007 to 1020 cold-roiled, finish No. 1, Specification QQ-S-698, -,024 -,006" thick, Body to be wrapped from a trapezoldal blank so as to provide three thicknesses of metal at base and one thickness at the mouth, /with overlap at mouth/. Base, 4.688" OD x .55" thick with step diameter 4.344" x .372" W and centered primer case lole bar quality, ASTM Specification Ai07, Collar 4,04" OD x .35" thick, formed ring, 2.56" ID, with V-special bar quality, ASTM Specification Ai07, Collar 4,04" OD x .35" thick, formed ring, 2.56" ID, with V-special bar quality, ASTM Specification Ai07. The three (3) items, phosphate coated and variashed prior to assembly. This item is extremely difficult to manufacture to applicable specifications. Manufacturing firms bidding this item will require a highly competent technical staff of engineers, metaliargists and tool design engineers to design, fabricate and maintain precision tools for mass production of this item. No clearance required. AP USA-MUCOM.

tion of this Item. No clearance required. AP USA-MUCOM.

APPI No. AP-4IR-1. Grenade, Hand, Fragmentation M26A2, MPTS, 3,33" high x 2,36" OD, consisting of seveen components upper body 1,62" high, 2,24" ID, 012" thick, well formed at one end .755" D x .135" deep. Lock seam formed at other end 360 degrees. Material: steel, strip, cold rolled, temp 5 finish No. 1, specification ASTM-109. Body lower 1,44" High by 2,24" ID .012" thick hole formed at one end. 995" ID for closing cap, lock seam at other end formed 360 degrees, material: steel, strip, cold rolled, temp 5 finish No. 1, specification ASTM Al99 coil spiral 2.78" high by 2,22" OD spiral wrapped interior surface of coil to be notched, material wire, hard drawn 1010 finish No. QQ-W. 461 alternate material-Carbon steel, cold finished 1010, to special tensile 90,000 PSI minimum ASTM-A-108, hardness after forming-Rockweil B84-98. Well 1.565" L x .565" OD .007" thick material: brass strip, alioy No. 1, .035 mm nominal grain size, annealed ASTM, B36 bushing .76" high x .75" OD flanged and Internally threaded at one end other end formed .565" ID. Material-steel bar, cold finished. Billia of C 1213, ASTM Al08, Alternate material: steel tribe, seamless 1118, QQ-T-830. Well and bushing assembled and brazed 360 degrees, brazlug filler metal Bag-la or Bag-l, ASTM B260 and brazlug filler metal Bag-la or Bag-l, ASTM B260 and brazlug filler, specification .74-499, Cap Ciosing .08" high x 1,145" D. .012" thick cup formed .08" high material: steel, strip cold rolled, temp 5 finish No. 1, ASTM Al09, Disc Base .93" D x .0747" high, corrugated, material-steei, strip, cold rolied, temp 5 finish No. Specification ASTM Al09. Disc

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base assembled into Cap Closing by brazing or welding brazing filler metal, Bag-la or Bag-l ASTM B260 brazine O-F-499. Ring Retaining Lower, 32" high 99" D .02" thick flanged .15" 360 degrees. Material: steel strip. cold rolled temp 5 finish No. 1, specification 'ASTM A109. Coil spiral assembled into upper and lower body. Double lock seams to the formed 360 degrees to withstand an interval air pressure of 15 PSI for 10 seconds. Well assembly secured to grenade by soldering 360 degrees. use solder, metal, alloy 50A or B. iin alloy ASTM B32 and soldering paste flux, specification O-F-506. Closing Cap assembly to bottom of grenade by soldering. Manufacturing lirms bidding on this item must have a qualified engineering staff of metaliurgists, chemists and tool designers to fabricate this item to applicable government specifications. Item is not considered difficult to fabricate and assemble. No clearance required. AP USAMUCOM.

APPI No. AP-46R-1, Fuze, Proximity, M532. The

thesis autenthed late. Cap. Closing by harding of welding heating. filter metal, Raych or Buyt AXTAI (1)26 for the process of the process of

The Property considered difficult to produce for Circle Science, Latence and drawings. No clear-ton required. AP USAMICOM.

the test seed AP USAMICOM.

APTI No. AP-101. Properties IIII. 105mm. MPTS/MI who as a future symptomet. Bods Shell 15.7° (as 161) a hole 1821 below totaling band grower 1824 (b) a hole 2821 below totaling band grower 1824 (b) a hole 2821 below totaling band grower 1824 (b) a hole 2821 below totaling band grower 1824 (b) a hole 2821 below 18 machined and knutled for a hole 2821 below 18 machined and knutled for a hole 2821 below 18 machined and knutled for a hole 2821 below 18 machined and knutled for a hole 2821 below 18 machined and knutled for a hole 2821 below 18 machined and knutled for a hole 2821 below 18 machined and knutled for a hole 2821 below 18 machined for process and specification of the form of the form of the form the form process are specification. All 1814 is not 1824 afternative when shell is not for the form process and the form of the fo ento entrologication by Courance required to ANTA 1987

Habit a Literature speci

APPI So FAMI. The XMPI grenade projector is Posts of the approximately 15 inches long with so the one correct and is covered on the traders to a collect or face showing cap. The Posts of the posts substituting one each White the services (WP) and a Hexachicrethane who is each where the service services (WP) and a Hexachicrethane who is each service service of the service process of the service service of the service service of the service and robber seat is installed at the cool of the tabe and held in place by a threaded process of the tabe and held in place by a threaded process to other tables read is fastened to the each of the school read the base of the tabe to present passes from exacting during building of present to eject the solve. The complete projector are received to extend the place of the projector of the process of the solve that the requirement. No should differ the internal as required to obtain APPLEA SAMILED.

APPI No. F1-191. Cassera Sei. KS-15() 35mm still ectors which remains from 1/2 tens. Has a spiral torge voder, deuble exposure pre-tensus owner and superchargeable lenses. Also has belief to the spiral rates Portable and may be regard from a carrier care height 2-578 in. width 51 2 in degree 2.4 4 in. vol. 35.25 cu. in.

APPI No. FL-102. Recorder-Reproducer Set. ANJ FN-H4. First equipment is a postable battery operated structure teaper recorder-reproducer. It is designed in an EPP took magnetic type on reels 7 tooks in a control of smaller. This equipment makes 1.2 track inscrafting state of 2 factors on 1200 feet of state.

APPI No. 11-103 Radio Set, UHF AN/ARC-51 RX II a set presides radio communications within the transfer respect of 22530 to 399.95 mc. One was appropriately with Radio Set AN/ARC-51X.

APTI No. FI-104. Navigational Set, Tacan AN/ARCSIX.

ARN 52(A) FACAN, when installed in aircraft or far register provides beaung, distance and tone sensities are remarked to indicate location of complementate are and toler properties are and toler of the provides range information between autority when used with aircraft having ANASSIV) TACAN.

API TO BE IL-105. Test Set, Transponder Set AN/ APICLY Provides uppar power and control switches to permit speciation of AIMS transponder sets dur-ing bench special and maintenance. Components' and reased in a combination transit/accessory case and do pred for conf. treasurice use.

signals of known frequency, amplitude, and modula-tion for quantitative bench tests of UHF navigation receiving equipment.

APPI No. EL-107. Test Set, Radio AN/ARM-8. Performs operational checks on and gives adjustment capability for Radio Sets AN/ARC-44() and AN/ARC-45() and Receiving Set, Radio AN/ARN-48() and Receiving Set, Radio AN/ARN-48() and An/ARN-48() 33( ) while installed in alreraft.

APPI No. EL-108. Test Set, Radio AN/ARM-45, Used to perform operational checks on Radio Set AN/ARC-73() and associated aircraft wiring. The AN/ARM-45() is porlable and may be used in a short shop.

APP1 No. EL-109. Test Set, Radio AN/ARM-63, Used to test various airborne radio sets when removed from the aircraft for bench lesting; also makes cettain voltage current, and power measurements in addition to facilitating the use of standard test equipment.

APPI No. EL-110. Test Set, Radio AN/ARM-68. Provides facilities for performing electrical tests to all components of Radio Set AN/ARC-44 or AN/ARC-45.

APP1 No. EL-11I. Converter, Frequency, Electronic AN/ARM-69. Converts 114.9 mc; received from SG-66/ARM-5 to Irequency selector switch of Converter, Frequency Electronic AN/ARM-69 (329.3 mc to 335.0 mc) for testing glide slope frequencles of AN/ARA-54.

APPI No. EL.-112. Test Sei, Radio AN/ARM-92. A test set which will provide facilities for operational check, repair, adjustment and maintenance of Receiving Set, Radio AN/ARN-82.

APPI No. EL-113, Test Set, Direction Finder Sct AN/ARM-93. A test set which will provide facilities for operational check, repair, adjustment and main-tenance of Direction Finder Set. AN/ARN-83.

APPI No. EL-114. Simulator, Alreraft Displacement AN/ASM-120. Used as a rotating fixture and induces angular rnotion in the stability augumentation tem thus simulating the displacement of the air craft in flight.

APPI No. EL-II5. Electronic Shop, Semitraller Mounted AN/ASM-189. Used for maintenance and calibration of avionic communication, navigation, photographic and infrared systems up to 4th and photographic and in limited 5th echelons.

limited 5th echelons.

APP1 No. AT-101. Shaft Assembly, flexible. The ORD 7527479 Shaft assembly connects the speedometer assembly to the speedometer drive gears in the vehicle transmission. This shaft assembly consists of following components: (a) Flexible inner core (b) casing (c) core tips (d) ferrules (e) clamp nuts. SNL APP-Multiple. FSN 6680-752-4749. No clearance required to obtain APP1. USATAC.

APPI Nn. AT-102. Axle assembly, automotive, driving. The ORD 1094521-2 Axle assembly is a major component of the power train for a 10 ton wheeled vehicles. This axle assembly has following basic characteristics: (a) track width-81 inches (b) distance between spring seats-4t inches (c) single speed, Ratio 10.11 to 1 (d) Air brake assemblies (e) hubs and drums, SNL APP-G792-FB, FSN 2520-905-5979. No clearance required to obtain APPI. 905-5979. No clearance required to obtain USATAC. APPI

USATAC.

APPI No. AT-103. Winch with level wind assembly. The ORD 7974497 winch is used on the 10 ton truck tractor and mounted to rear of cab, It is a worm geared horizontal drum type equipped with internal automatic brake; level wind and cable tensioner. This winch assembly consists of following components: (a) cast drum (b) driving mechanism (c) automatic brake (d) swivel sheave assy (e) lever wind (f) cable tensioner (g) cable (h) mounting frame (i) controls. SNL APP-G792. FSN 3850-508453. No clearance required to obtain APPI. USA-TAC.

APPI No. AT-104. Distributor, ignition assembly. APP1 No. AT-104. Distributor, ignition assembly. The ORD 7353276 distributor assembly is a major component of the electrical system for a 6 cylinder gasoline engine. Assembly is waterproof and consists of following components: (a) cover (b) housing (c) cap (d) rotor (e) drive shaft (f) points (g) resistor (h) capacilors (f) spark coil (f) miscellaneous hardware. SNL APP-G744, FSN 2920-294-3679. No clearance required to obtain APP1 USATAC.

APPI No. AT-105. Carburetor assembly, with gov-nor and anti-dieseling valve assembly. The ORD APPI No. AT-105. Carburetor assembly, with governor and anti-dieseling valve assembly. The ORD \$331x77 carburetor assembly is a major component of the fuel system for a 6 cylinder gasoline engine. This carburetur assembly consists of following components: (a) air horn (b) throttle body (c) governor (d) main body (e) float (f) cover (g) jets (h) gaskets (i) venturi (j) throttle plates (k) shaft (j) anti-dieseling valve (m) miscellaneous hardware. SNL APP-G744. FSN 2910-562-0441. No clearance required to obtain APPI. USATAC.

ing Foared in a combination transit/accessory case and despited for a combination transit/accessory case and despited for a testing of VHF navigational engine. Assembly is a major component of the electrical system for a 4 cylinder staggler signals for testing of VHF navigational engine. Assembly is waterproof and consists of following components: (a) cover (b) housing engineers in one or more aircraft. Also will provide

points (ii) spark coil (i) capacitors (i) miscellaneous hardware. SNL APP-G838. FSN 2920-065-7536. No clearance required to obtain APPI. USATAC.

APPI No. AT-107. Transfer assembly with hand brake band, brake drum and output flauge. The ORD 7411327 transfer assembly is a major component of the power train for a 2 1/2 ton truck. This assembly consists of the following components: (a) case (b) covers (c) hearings (d) input and output flanges (e) shafts (f) springs (g) shifting forks (h) transfer shafts (i) gears (j) seals (k) snap rings (l) spacers (m) gaskets (n) hand brake drum (o) hand brake band. SNL APP-Multiple. FSN 2520-741-1237. No clearance required to obtain APPI. USATAC.

APPI No. AT-108, Winch assembly, front mounting. The ORD 7411122 winch is used on the 5 ton ing. The ORD 7411122 winch is used on the 5 ten trick and is mounted between radiator and front bumper. It is a worm geared horizontal drum type equipped with internal automatic brake; lever wind and cable tensioner. This winch assembly consists of following components: (a) cast drum (b) driving mechanism (c) automatic brake (d) swivel sheave assy (e) lever wind (f) cable tensioner (g) cable (li) mounting frame (i) controls SNL APP-G744. FSN 2590-741-1122. No clearance required to obtain APPL USATAC.

APPI USATAC,

APPI No. WE-89. Quadrant, M14, P/N 8626310,

Principal parts consists of cin gears, knobs, hearings, contact, light, level assembly and counter and differential assembly; this Item 1s consistered

APPI No. WE-90. Sight, infinity, PN 8635466, principal parts consist of cln reticle, leas assembly, recepticle assembly, contacts and switch.

APPI No. WE-91. Telescope, panographic, M117, P/N 7660400, principal parts consist of cln leuses, reticle, prism, gears, counter, insulator, rheostal and knobs; this item is considered difficult to produce.

APPI No. WE-92. Telescope, elbow, M92F, P/N principal parts consist of lenses, prisms, reflete and eyepiece assembly; this item is considered moderately difficult to produce.

APPI No. WE-93. Quadrant, MIA1, P/N 7197156, principal parts consist of cin gears scales. Knobs, level, springs and other closely fitting parts and a carrying case; this item is considered moderately carrying case; t difficult to make.

APPI No. WE-94. Mount telescope, M90, P/N 8299 670, principal parts consist of chi housing, worm gear and knob; this item is considered moderately difficult produce.

APPI No. WE-95. Link assembly, P/N 760 consists of approximately 16 machined parts. P/N 7660651.

APP\* No. WE-96. Light instrument, M13, P/N 654-3450, principal parts consists of cln case, switch, lamp holder and cords.

APPI No. WE-97. Sight, M4, P/N 7579927, princial parts consist of collimator assy, with draphragm, ens, reticle, knobs, level, bushings, gears and scales: item is considered moderately difficult produce

APPI No. WE-98. Mount telescope, M78, P/N 757-9986 (90-172-2), principal parts consist of body, worm gear and machined parts; this item is considered moderately difficult to produce.

APPI No. WE-99. Telescope, MI05F, P/N 8574700-2. principal parts consist of cli lenses, relicte and prism, this item is considered difficult to make.

APPI No. WE-100. Ballistic drive, M4. P/N 764-9132, principal parts consist of cln llukages, scale, springs and level; this item is considered maderately difficult to produce.

APPI No. WE-101. Telescope, M103A1, P/N 105-27382, principal parts consist of loos assembly, prism and eyepiece.

APPI No. WE-102. Mount telescope, 858-7295 an assy, of light, contacts, springs, clamps, bearings and other parts; this liem is considered moderately difficult to produce.

APPI No. WE-103, Quadrant, M15, P/N 8247683, principal parts are lens, bearings, counter assemblies, gears, level, springs, switch, lamp and contacts; His item is considered difficult to produce.

APPI Nu. WE-104. First selter, M26, P/N 7644760 assembly of machined parts.

APPI No. WE-105, Periscope, M17, P/N 7043549. principal parts are body, cover mirrors and windows. APPI No. WE-106, Light, M14, P/N 7197188 (654-3977), consists of case reflector, lamp and 2 fillers.

APPI No. WE-107. Telescope, elbow, M116C, P/N 8587491 (8587431), principal parts consist of lenses, prism, eyeplece and reticle.

APPI No. WE-108, Telescope, panoramic, M115, P/N 8587340, principal parts are cln bndy, lens assys, prisms, bearings, bushings, gears, reticle, worm gear and springs; this item is considered difficult to

APPI No. WE-109. Case, M82, P/N 7692958, a steel case with pads, frunk bolts and carrying strap.

APPI No. WE-110. Computer, hallistic, M13A2, P/N 8621000, principal parts are bearings, hushings, cams, clieuit breaker, counter, gear assys., harness assembly, rheostat and springs; this item is considered moderately difficult to produce.

APPI No. WE-111, Drive, ballistic, MIOA5, P/N 862-1333, an assembly of machined parts such as brackets, rolls and links; this Item is considered moderately difficult in profince.

APPI No. WE-112. Mount, perisence, Mills, P/N 8619450, an assembly of machined parts such as bar, bracket and plate; this item is considered moderately difficult to make.

APPI No. WR-113. Mount, Periscope, M119, P/N 8619585, an assembly of machined parts such as bar, bracket and plate; this item is considered moderately difficult to produce.

APPI No. WE-114. Minint, telescone, M114, P/N 857-490, an assembly of mechanical parts such as bar, brackets and plate; this item is considered moderately difficult to produce.

APPI No. WI-115. Periscope, M36. P/N 5800973 (10515850), a complex assembly of optical, mechanical and electrical parts; this item is difficult to

APPI No. WE-116. Head assembly, P/N 10514220, a complex assembly of mechanical parts; this item is considered difficult in profilee.

APPI No. WE-117. Control light, source P/N 862-

0860, principal parts are bracket, lump holder, resistor and knob. APPI No. W 0860, principal

APPI No. WE-118. Momit, telescone, M134, P/N 8626072, Principal parts are gears, shaft, spring and level; this Item is considered moderately difficult to produce.

APPI No. WE-119. Telescope, panoramic, M113, P/N 8626189, a complex assy, of gears, knohs, lens assemblies, reticle, counter and prisms; this Item is considered difficult to produce.

APPI No. WE-120, Corrector, M4, P/N 8626159, a assy, of machined parts, level and springs; this art is considered molerately difficult to produce. APPI No. WE-121. Periscope, M26, P/N 7688875, an assembly of case, mirrors and windows.

APPI No. WK-122, Post, Aiming, M10, P/N769-2156, an assembly of lubes point, alldade and miscel-laneous parts.

APPI No. WE-123. Mount, telescope, M110, P/N 765-9765, an assy, of housing, gears, springs, worms and other mechanical parts.

APPI No. WK-124. Mount telescope, M3A1, P/N 7597736, principal parts are knoh, gears and housing. This item is ennsidered moderately difficult to ing. This produce.

APPI No. WE-125, Control, light, source, P/N 864-4351, assembly of case 4351, assembly of case, clamps, cables, switch, theostart, knob and miscellaneous parts.

APPI No. WE-126, Setter, Firse, M28, P/N 768-8626, assy, of mechanical parts such as honly, bracket, insulators and iliai.

APPI No. WE-127, Moint, telescinc, M119, P/N 105-27950, an assembly of mechanical parts such as housing, clamp, bracket and switching circuit assembly; this item is considered moderately difficult produce.

APPI No. WK-128, Telescope, M119, P/N 8624500 an assembly of body, lenses, prism, headrest and adjustments; this Item is considered difficult to

APPI No. WK-129. Periscope. M47. P/N 8599700, assembly of body and prisms; this item is considered difficult to produce.

APPI No. WE-130, Quadrant, Mi3A1C, P/N 828-6737, an assembly of mechanical parts including housing, level, scale, knob, worm, springs, hushing and dial; this item is considered moderately difficult to produce.

APPI No. WE-131. Mount, telescope, tank, P/N 105-13360, an assembly of mechanical parts such as housing, brackets, rods and arms; this item is considered moderately difficut to produce.

APPI No. WE-132. Periscope, M27, P/N 7633132, principal paris are case, mirrors and plastic parts.

Principal parts are case, mirrors and plastic parts.

APPI No, WE-133. Quadrant, M4A1, P/N 7597761, principal parts are worm and geur, knobs, micrometer, springs, bearings, shaft and scules; this item is considered moderately difficut to produce.

APPI No. WE-134. Telescope, M90F, P/N 820-5096, principal parts are eyepiece, lenses, prism and body.

body.

APPI No. WE-135, Head assembly, P/N 7688707, principal paris are prism, machined head and plates; this item is considered moderniely difficult to produce.

APPI No. WE-136. Case, carrying, M81, P/N 764-01951, principal parts are steel body, pods, latch and

APPI No. WE-137, Periscope, tank. XM44, P/N 821-6000, a complicated assy, of machined and optical parts; this item is considered difficult to produce.

APPI No. WE-138. Periscope. M48, P/N 10516700, principal parts are body, head, lenses, prisms; this tent is considered difficult to make.

APPI No. WE-139. Case, carrying, P/N 8247245, watertight steel case with lid, hinges and gaskets. a watertight steel case with no., minges and gaskets.

APPI No. WE-140. Plunger, Slide Stop, P/N 5013193, a small arms part. A screw machine part made
of carbon steel. Heat treatment is required. FSN
1005-501-3193. No security clearance required to
obtain USAWECOM APPI.

APPI No. WE-141. Spring, Plunger, P/N 5013194, a small arms part. Coiled music wire spring .593 inches long. Stress relieving is required. FSN 1005-501-3194. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-142. Plunger, Safety Lock, P/N 5013195, a small arms part. A screw machine part made of carbon steel. Heat treatment is required. FSN 1005-501-3195. No security clearance required. made of carbon se FSN 1005-501-3195. FSN 1005-501-3195. No securit to obtain USAWECOM APPI.

APPI No. WE-143. Sight, Rear, P/N 5013196, a small arms part. This part is made uf carbon steel bar. FSN 1005-501-3196. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-144. Sight, Front, P/N 5013197, a small arms part. This part is made of strip steel. FSN 1605-501-3197, No security clearance required to obtain USAWECOM APPI.

APPI No. WE-145. Link Barrel, P/N 5013198, a small arms part. Made of carbon steel. Heat treatment is required. FSN 1005-501-3198. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-146, Spring, Recoil, P/N 5013209, a small arms part. Music wire spring approximately 6.5 inches lung. Stress relieving is required FSN 1005-501-1200. No security clearance required to obtain USAWECOM APPI.

APPI Nu. WE-147 Plug, Recoil Spring, P/N 501-3201, a small arms part. A screw machined part made of carbon steel. FSN 1005-501-3201. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-148, Spring, Firing Pin, P/N 501-3204, a small arms part, Music wire coil spring 1.70 inches long. Stress relieving is required. FSN 1005-501-3204. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-149. Stop. Firing Pin, P/N 50132-05, a small arms part. A machined carbon steel part. Heat treatment is required. FSN 1005-501-3205. No security clearance required to obtain USA-WECOM APPI.

APPI No. WE-150. Mainspring. P/N 5013208, a small arms part. Music wire coiled spring 2.156 inches long. Stress relieving is required. FSN 1005-501-3208. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-151. Pin, Mainspring, Housing, P/N 5013212, a small arms part. Approximately .76 inches long, made of tool steel drill rod. Heat treatment is required, FSN 1005-501-3212. No security clearance required to ubtain USAWECOM APPI.

APPI No. WE-152. Retainer, Housing, Pin P/N 5013213, a small arms part. A serew machine part made of carbon steel. Heat treatment is required. FSN 1105-501-3213. No security clearance required tu ubtain USAWECOM APPI.

APPI No. WE-153. Loop Lanyard, P/N 5013214, a small arms part. This part is made of earbon steel bar stock. FSN 1005-501-3214. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-154. Spring, Magazine Catch, P/N 5013217, a small arms part. Approximately 3/4 inches long, music wire, stress relieved. FSN 1605-501-3217. No security clearance required to obtain USAWE-COM APPI.

APPI No. WE-155. Lock, Magazine Catch, P/N S013218, a small arms part. A machined carbon steel part, Heat treatment is required. FSN 1005-501-3218. No security clearance required to obtain USAWE-00M-APPI.

APPI No. WE-156, Lock Safety, P/N 5503840, a small arms part. A machined part made of carbon steel. Heat freatment is required FSN 1805-550-3840. No security clearance required to obtain USAWE-COM APPI.

APPI No. WE-157. Magazine Assembly, P/N 550-8694, a small arms part. Consists of coll spring, tube and strip steet parts. FSN 1005-550-8694. No scenify clearance required to obtain USAWECOM APPI.

APPI No. WE-158. Housing, Mainspring, Assembly, P/N 5564058, a small arms part, Consists of three machined parts made of carbon steel. FSN 1005-556-4058. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-159. Slock, Right Hand, Plastic, P/N 5564062, a small arms part. A moulded phenolic plastic part. FSN 1005-556-4062. No security clear-ince required to obtain USAWECOM APPI.

APPI No. WE-160. Stock, Left Hand, Plastic, P/N 5564063, a small arms part, A monited phenolic plastic part. FSN 1005-556-4063. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-161. Rod. Cleaning, M4, P/N 556-4102, a small arms part. This part is marte of hard drawn, colil fuished, carbon steel bar. FSN 1005-566-4102. No security clearance required to ablain USAWECOM APPI.

APPI No. WE-162, Link, Barrel, P/N 7267771, a

APPI No. WE-162, Link, Barrel, P/N 7267771, a small arms part. A small blanked and finished part made of corbon steel. Heat treatment is requirent. FSN 1005-586-0774. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-163, Link, Barrel, P/N 7267772, a small arms part. A small blanked and finished part made ni carbon steel. Heat treatment is required. FSN 1005-586-0775. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-164. Link Barrel, P/N 7267773.

APPI No. WE-164, Link, Bariel, P/N 7267773, a small arms part. A small blanked and fluished part made of carbon steel. Heat treatment is required. FSN 1005-586-0776, No security clearance required to obtain USAWECOM APPI

APPI No. WE 165. Sight Front, P/N7268316, a small arms part. This part is made of steel by precision easting process. Sample radiographic inspection is required. FSN 1005-586-0777, No security cision easting process tion is required. I-SI clearance required to obtain USAWECOM APPI.

APPI No. WE-166. Sear, P/N 7268068, a small arms part. A machined part made of carbon steel. Heat treatment is required. FSN 1005-592-9974. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-167. Tube, Plunger, P/N 6008594, a small arms part. A machined part made of carbon steel. FSN 1005-600-8594. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-168, Stop, Slide, P/N6008595, a small arms part. A machined part made of carbon steel. Heat treatment is required. FSN 1005-600-8595. No security clearance is required to obtain USA-WECOM APPI.

APPI No. WE-169. Bushing, Barrel, P/N 6008596, a small arms part, Part is made of wrought steel or cast steel. Heat treating and sample radiographic tests are required, FSN 1005-600-0596. No security clearance required to obttain USAWECOM APPI.

APPI No. WE-170. Guide, Recoii Spring, P/N. 6008597, a small arms part. A machineil part made of carbon steel. Heat treatment is required. FSN 1005-600-8597. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-171, Extractor, P/N 6008598, a small arms part. A machined part made of carbon steel. Heat treatment is required. FSN 1005-600-8598. No security clearance required to obtain USA-WECCOM APPI. WECOM APPI

APPI No. WE-172. Pin, Firlng, P/N 6008599, a small arms part. Machined part made of carbon steel, Heat treatment is required, FSN 1005-600-8599. No security clearance required to obtain USA-WECOM APPI

APPI No. WE-173. Strut, Hammer, P/N 6008600, a small arms part. This part is made from carbon steel spring strip. Heat treatment is required. FSN 1005-600-8600. No security cleanance is required to obtain USAWECOM APPI.

obtain USAWELOM AFT.

APPI No. WE-174. Spring, Sear, P/N 6008602, a smail arms part. A formed part made of earbon steel spring strip. Heat treating is required. FSN 1005-600-8602. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-175. Disconnector, P/N6008603, a small arms part. This part is machined from carbon steel. Heat treatment is required. FSN 1005-600-8603. No security clearance required to obtain USA-WECOM APPI No security cle WECOM APPI.

APPI No. WE-176. Catch, Magazine, P/N 600-8609, a smail arms part. This part is made of carbon steel. Heat treating is required. FSN 1005-600-8609. No security clearance required to obtain USA-No security cl WECOM APPI

WECOM APPI No. WE-177. Bushing, Stock Screw P/N 6019022, a small arms part. This part is machined from carbon steel. FSN 1005-601-6022. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-178. Frigger Assembly, P/N 614-780, a small arms part. An assembly of a carbon steel part and a low carbon strip steel part. Heat treating is required. FSN 1005-614-7780, No security clearance required to obtain USAWECOM APPI.

APPI No. WE-179, Stock, Right Hnnd, Wood, P/N 7790349, a small arms part. Made from black walnut. FSN 1005-649-9271. No security clearance required to obtain USAWECOM APPI.

APPI No. WE.180. Stock, Left Hand, Wood, P/N 7790350, a small arms part. Made from black walnut. FSN 1005 649-9272. No security clearance required to obtain USAWECOM APPI.

required to obtain USAWECOM APPI,
APPI No. WE 181. Safety Grlp, P/N 6501828,
a smail arms part. A machined part made of carbon
steel. Heat treatment is required, FSN 1005-6501828. No security clearance required to obtain
USAWECOM APPI.

APPI No. WE-182. Barrel for 45 Caliber Pistol, P/N 7791193, a small arms part. This part is machined from alloy steel bar. Rifling, chromlum, plating, proof firing and magnetic particle inspection are required. FSN 1005-722-3849. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-183. Link, Barrel, P/N 7790893, a small arms part. This part is machined from carbon steel. Heat treatment is required. FSN 1005-751-9109. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-184. Trigger Assembly, Long, P/N 7791047, a small arms part. Consists of an aluminum investment casting with a strip steel part and a nylock set screw. FSN 1005-798-7578. No security cleatance required to obtain USAWECOM APPI.

APPI No. WE-185. Trigger Assembly, Short, P/N. 7791048, a small arms part. Consists of an alliminum investment casting and a nylock set screw. FSN 1005-798-7579. No security clearance required to obtain USAWECOM APPI.

APPI No. WE 186, Sight, Rear, Adjustable, P/N H0t0180, a small arms part. Made in accordance with specification control drawing. FSN 1005-809-7964. No security clearance required to obtain USAWECOM APPI.

APPL No. WE-187, Slide Assembly, P/N 7790353, a small aims part. This is an assembly of three parts. The principal part, the slide is machined from alloy steel bar, FSN 1005-876-4033. No security clearance required to obtain USAWECOM APPL.

APPI No. WE-188. Ejector, P/N 11010485, a small arms part. A machined part made of carbon steel, Heat treatment is required, FSN 1005-903-8192. No securityy clearance required to obtain USAWECOM APPI.

APPI No. WE 189, Barrel and Bushing Assembly, P/N 7791469, a small arms part. This consists of a harrel and a fitted bushing. The barrel is made of alloy steel bar. Rifting, chromium plating, proof firing and magnetic particle inspection are required. FSN 1005-976-9244. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-190. Hammer, P/N 7790803, a small arms part. Machined of carbon steel. Heat treatment is required. FSN t005-980-t743. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-191. Slide, P/N 7791435, a small arms part. This part is a machined alloy steel forging. Heat treatment is required, FSN 1005-987-8948, No security clearance required to obtain USA-WECOM APPI.

APPI No. WE 192. Screw, Stock, P/N 6019023, a small arms part. A heat treated carbon steel screw. FSN 5305-601-9023, No security clearance required to obtain USAWECOM APPI.

APPI No. WE-193. Telescope, Elbow, M1186, P/N 10512985. An assembly of mechanical and optical pairs. This item is considered difficult to produce. FSN 1240-819-4520. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-194, Panel Assembly, P/N 8589730. Consists of case, rheostat, knobs, switch, lamps and etc. FSN 1240-915-5725. No security clearance required to obtain USAWECOM APPI.

quired to obtain USAWECOM APPI.

APPI No. WE-195. Cover, P/N 8293769. Consists of aluminum bionze castings, latch, spiing, gasket and etc. FSN 1290-380-8034. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-196. Indicator Assembly, Azimuth, P/N 10954720. An assembly of housing, gears, shafts, diats, spiings and other parts. This item is considered moderately difficult to produce. FSN 1290-901-8667. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-107. Participate. MAT. PAN 1655100.

APPI No. WE-197. Periscope, M.77, P/N 8635100. Consists of plastic and metal parts. FSN 6650-856-9455. No security ctearance required to obtain USAWECOM APPI.

APPI No. WE-198, Light, Aining Post, P/N 7629136, An assembly of case, switch, lamp, reflector and etc. FSN 1290-769-2136. No security clearance required to obtain USAWECOM APPI.

API No. WR-199. Fuse Setter, M27, P/N 764-7761. A hand wench-type instrument consisting of a bronze casting with a pinned steel catch. FSN 1290-764-7761. No security clearance required to obtain USAWECOM APPI.

APPI No. WE 200. Periscope, M23, P/N 7633306. A sealed optical Instrument consisting of housing, an optical system with two windows a 90° prism and a mirror, FSN 1240-344-4644. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-201. Telescope. Elbow, MIGAID, P/N 7597781. Principal parts consist of lenses, prism, relicle and eyepiece assembly. This item is considered moderately difficult to produce. FSN 1240-759-7781. No security clearance required to obtain USA-WECOM APPI.

APPI No. WE-202, Telescope, M114, P/N 8626440. An assembly of body, leuses, prism and etc. This

item is considered moderately difficult to produce, FSN 1240-963-0839. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-203. Periscope, M34, P/N 5800971. This consists of metal case, P/N 10515788 and periscope, P/N 8619700. The periscope is an assembly of lenses, prisms, adjustments, scales etc. This is considered moderately difficult to produce, FSN 1240-794-2537. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-204. Separator, oil and water, spray gun with two regulators and four outlets, wall mounted. In accordance with MIL-S-12928, Class 2. FSN 4940-242-4101. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-205. Heater, Gun Type, Electric, A hand held device to apply a stendy flow of air and heater air, Air flow 28 CFM, 115 V AC and DC, in accordance with MIL-H-45193. FSN 4940-785-1162. No security clearance required to obtain USAWECOM APPI.

APPI No. WE-206. Regulator, Oxygen, Single Stage, 0-75PSI delivery pressure, 700 CFH, two pressure gages. In accordance with MIL-R-13877, Class III. FSN 6680-281-8193. No security clearance Class III, FSN 6680-281-8193. No securi required to obtain USAWECOM APPI. curity clearance

APPI No. WE-207. Mount Periscope, P/N 1051-3443. An assembly of small mechanical parts. FSN 6650-906-7944. No security clearance required to obtain USAWECOM APPI.

obtain USAWECOM APPI.

APPI No. WE-61-RI. Brush Assembly, 40mm, P/N 7790665. Cleaning brush for M79 Launcher, Grenade; Chunking (or hair) and wire bristles held in criniped steel holder, with plastic core. FSN tollo-474-5466. No security elearance required to obtain USAWECOM APPI.

APPI No. AV-129. Piston, Swivel Indicator, Aircraft Landing Gear. Application, CH-47 Acft. In accordance with procurement Package No. 114L-2155-3. FSN 1620-076-9048. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-130. Indicator, Assembly, Stick Posts

APPI No. AV-130. Indicator Assembly, Stick Position Housing. Application CH-47 Acti. In accordance with Procurement Package No. 14C1155, FSN 1680-070-6775. No clearance required to receive APPI, USAAVCOM.

APPI No. AV-131. Actuator, Electro-Mechanical, Rotary. Application, CH-47 Acft. Vertol P/N 114PS-201-1 and Barber Coleman P/N NYLC-7559-2 is only identification. FSN 1680-739-2629, Procurement Package No. 114PS201-1. No clearance required to receive APPI. USAAVCOM.

APPI. USAAVCOM.
APPI No. AV-132. Bearing, Ball, Annular, Unground; double row; angular contact; nonloading groove; self-contained; both rings flush; 8.999 to 9.000 in. bore dia., outside dia., 10.249 to 10.250 in. OO., width, 1.105 to 1.1251 in O/A., retainer type, pressed construction, steel; ABEC 5 tolerances; internal fil-up, no preload requirement, inwardly convergent contact angle, over 25 deg. angularity; Appl., Swashplate, Helicopter, UH-B, FSN 1615-446-6386. Procurement Package No. 204-011-430-1. No clearance required to receive APPI. USA-AVCOM:

APPI No. AV-133, Filter, Fluid Pressure. Application, Utl-1 Acft. In accordance with procurement Package No. 204-040-760-5. FSN 2915-011-1518, No clearance required to receive APPI. USAAVCOM,

APPI No. AV-134. Oamper, Viscous, Application, CH-47 Act, In accordance with Proentenant Package No. 114-CS110-2. FSN 1680-780-5284. No clearance required to receive APPI. USAAVCOM.

ance required to receive APPI. USAAVCOM.

APPI No. AY-135. Kit, Plexiglass Repair, Aircraft. Contains three thicknesses of plexiglass (0.060, 0.125, 0.250) in. 6 by 12 in. sheets conforming to MIL-P-5425. Finish B, from which to cut repair plugs or patches. Also contains all necessary application materials which consists of 1 qt CD-2 cement, 2 catalyst capsules, 1 pc 18 by 24 in. flannelette cloth, 1 roll 2 in. wide Y9017 tupe and one illustrated folder No. PI-24. The catalyst capsules to be dropped into the cement on initial use of the cement, in thus prolonging shelf life to approximately one year. The tape has special type adhesive which will not affect plexiglass. The unused portions of materials to be returned to the kit for future needs. No material in the kit is replentshable. Applicable Military Specification, MIL-P-5424B, W/Amendment 2. QPL Item No. 5425-6 dtd 10 Aug 62. Interested concerns contact U. S. Navul Air Experimental Station, Naval AMC, Naval Base, Philadelphia, Pa., to have their product lested and qualified, FSN 1560-620-4227. No clearance required to receive APPI. USAAVCOM.

APPI No. MI-62RI, Olgital Receiver/Decoder, as

APPI. USAAVCOM.

APPI No. AII-62RI, Olgital Receiver/Decoder, as defined by Missile Interim Specification MIS-10138, dated 13 April 1966. This item is used to precede scrially digital command information and provides analog output voltage to target missile auto pilot systems. This receiver controls target missiles in flight. No Federal Stock Number Assigned, No clearance required to obtain APPI, USAMICOM.

APPI No. MI-63RI. High Radai Ami Jamming Impanded Released for sub-based in the product of the p

assigned. Confidential clearance APPI. USAMICOM.

APPI No. MI-69. Control Surfit: MISSILE SYSTEM - Two position in the Surfaces. Extension of the control folded position activates the systame pressed gas from the storage hotely variation in the dewll times if the surface deflection without the little stroke achieves the effect of pressed gas from the storage hotely variation in the dewll times if the surface deflection without the little stroke achieves the effect of pressed gas from the storage hotely variation in the dewll times if the surface deflection without the little stroke achieves the effect of pressed gas from the storage hotely assigned. Confidential clearance APPI. USAMICOM.

APPI No. ME-5RI REVISION-AIC: Generator Type; Gasoline 1811 tay Design Engine Model 4A084-DIC aic; Skid Mid; 50 amp if 1400 amp at 30 volt maximum 151 tay Design Engine Model 4A084-DIC aic; Skid Mid; 50 amp if 1500 cycles, single phase; furnished electrode lead with electrode hold work lead with ground clamp, 111 Dwg No. DL 13205E400. FSN 3 security cleanance required to obtained the surface of the present the surface of th

Commerce Using The Commerce Of the Office Of Office Of the Office Offi

APPI No. ME-104, Air Candit I c 60,000 BTU/HR, Gasoline Engine APPI No. ME-104, Air Condition of the control of th

#### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated Dec. 6,1966 page 2 No. PSA 4200 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

Anis tiem is a reprint of a revision in a previous issue.

APPI No. AP-12 Rev I. Loaded Item—Cap, Blasting, Elec, M6, procured loaded, consists of five (5) components and/or assemblies, plug assy I.015" X 0.219 O.D. molded around lead wire 145" long. Material, plug, rubber; wire, type 8, AW622, soft, tin coated; alternate, rubber and sulfur plug assembly, with cast sulfur plug. Bridge wire connecting one end of lend wires, resistance I80 OHMS per ft., cup 2.29" X .242" O.D. X .222" I.D., base 0.20" thick, A1 alloy, sheet, temper 0; spool 4.95" X .416" X .04" wall, slotted one end, box board, convointe, with flour paste between layers; alternate kraft pult paper unsized .003" tilck. Charge cup load with RDX base charge, lead azide intermediate charge and ignition charge, Requires technical staff familiar with pyrotchnics and explosive loading and necessary loading facilities. Difficult to produce to applicable specs. No clearance required to receiv APPI, APSA-USAMU-COM. This ilem is a reprint of a revision in a previous

This item Is a reprint of a revision in a previous This item is a reprint of a revision in a previous issue.

APPI No. AP-18 Rev I Ammunition Item - XM151 Warhead Metal Partis Assembly, approximately 13.03 inclies long by 2.79 inches maximum outside diameter. Consists of three components, nose, 10.40 inches long by 2.79 inches outside diameter at the bourrelet tapers down to 1.68 inches through a 35-inch radius on the ogive beginning 4 inches from the base, material pearlitic malieable iron, grade 60003; base, 3.005 inches long by 2.40 inches outside diameter, cup slapped, material, steel plate or steel bar, hot rolled or pearlitic malleable iron, grade 45010, 50007 or 60003; cap, protector, 932 inches long by 1.844 inclies maximum diameter at flange, cup shaped, material, polyetivlene. Considered difficult to manufacture. No clearance required to receive APPI. AP-USAMUCOM.

This item is a reprint of an APPI published in a

This item is a reprint of an APPI published in a previous issue.

APPI. No. AP-19, Annunition Item—Fuze, rocket XM423 metai parts with Detonator MK59, model O with primer XM94E1 with booster MPTS, 4.035 inches maximum length by I.75 inch diameter. Consists of five (5) major components: striker, pin body assembly, material, aluminum, alioy, 2024, temper 1351, Rod; firing pin body assembly, material, aluminum alioy; device, safety and arming, consists of 33 metal parts such as gears, pinions, springs and rotors; screw sealing disc, material, aluminum, alloy 2024; housing booster, about 1.115 inches long by varying outside dimensions, material, carbon steel bar, inot-rolled, Mannfacturing firms bidding this Item will require highly competent staff of engineers. Item considered difficult to produce. No clearance required to receive APPI, AP-USAMUCOM.

This item is a reprint of an APPI published in a previous issue.

APPI No. AP-51. Ammunition, Item—Rocket Mo-

This item is a reprint of an APPI published in a previous issue.

APPI No. AP-51. Ammunition Item—Rocket Molor, 66mm, M54, approximately 1-1/2" diameter by 10" iong, aluninum alloy extrusion, six integral fins on nozzle to attach six folding fins. Consists of 20 components shown on (6) ordnance drawings with (11) applicable specifications. Requires machining, drilling, reaming, milling, threading, heat and surface treatment. Competent technical staff required, liem is difficult to produce to government specifications. No ciearance required to receive APPI. AP-3.

This ifem is a reprint of an APPI published in a.

This ifem is a reprini of an APPI published in a previous issue.

APPI Nol AP-53, Ammunition Itom—Warhead, 66mm, rocket, HE, M18, approx 2-5/8" dia x 9" long. Body head approx 5.10" iong x 2.568" dia x 1 large end x 1.129" dia at small end; material, steel strip FC10009, FS1015 to FS1020, coid roiled and annealed, temper No. 5, finish No. I or No. 2, 5pec QQ-S-640, Oglve approx 5.79" long x 2.598" dia large end x 1.262" small end; material aluminum alloy sheet, 3003-0, ASTM B209, 0.70" to .021" thick, Liner approx 3.129" L x 2.604" D, conical shaped, .039" wall thickness; material, copper strip, cold roiled, soft annealed, ASTM B152. Body head and ogive shrunk fit and crmped, Insulator approx. .33" x .986"; material, molding plastic and molded plastic parts, thermo-setting, type CFG, Spec M1L-M-14, Conduit approx 9.43" L x .098" O.D. and .065" I.Da material, tubing, brass, No. 3 alioy, This ifem is a reprint of an APPI published in a

ASTM B135. Connector insulator, approx .135" D at large end x .085" I.D. at small end; material, brass strip, composition I, spring temper, Spec QQ-B-613. Gasket nose, approx .860" I.D. x .125" O.D. x .003". thick; material, gasket, class B, Spec MIL-P-5516, screw insulator No 2 x 1/4" long, type B, style, Spec FF-S-107, conduit soldered to link, shrink fit head body to liner. Requires competent technical staff and is difficult to manufacture to applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

This item is a reprint of an APPI published in a previous issue.

APPI No. AP-54. Ammunition Item — Closure for rocket, 66mm, AT, M72, MFD per Specs MIL-A-2550, MIL-STD-9, MIL-STD-9, MIL-STD-10. Material high strength extruded aluminum alloy, 2.94" overall length x 1.84" D at mouth extending .65", receding 60 degrees basic to 1.47" D cylinder, extending 2.29" mouth beveled, modified buttress thread, 1.54" plich diameter. Inside of cylinder has opening recessed diameter of 1.28" extending, 76" with two .055" wide grooves of diameter 1.33". Recessed section also has two holes.10 inch diameter, countersiak diametrically opposed to each other. Item is hydrotected, Competent technical staff is required and is difficult to manufacture to applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

This item is a reprint of an APPI published in a This ftem is a reprint of an APPI published in a

This item is a reprint of an APPI published in a previous issue, APPI No. AP-55, Ammunition Item --- Launche APPI No. AP-55. Ammunition Item --- Launcher, rocket, 66mm, M72, 34-1/4" long x approx 4"D consisting of approx 170 components. Inner tube 14" x 2.645" lo 2.784" O.D., approx ,050" wall; material aluminum alloy extruded, 6061-T6 Spec. ASTM B 221. Firing pin housing assembly approx 4" L x .76" D at forward end and 1.14" D at rear end;; material aluminum die cast, composition 11, Spec QQ-A-591; outer tube approx 24" L x 2.677" D x .052" wall thickness; material, fliament wound epoxy tubing. Requires highly competent technical staff and is extremely difficult to manufacture per applicable specifications. No clearance required to receive APPI, AP-USAMUCOM.

This item is a regrint of on APPI published in a

This item is a reprint of on APPI published in a This item is a reprint of on APPI published in a previous issue.

APPI No. AP-62. Ammunition Item — Projectile 8" HE M105 projectile body approximately 32 Inch length by 8 inch diameter one piece design assembly consists of three components, body copper, rotating band and base plate. Body is fabricated by hot-forge-inca-treat or hot cup-cold draw process material specification steel ASTM-A-273 or MIL-S-105'20. Rotating band copper, base plate approximately 032 inch thick material steel. Assembles to base of shell by resistance welding assembly is phosphate coated and painted. This item is considered very difficult to manulacture in accordance with applicable specifications. No clearance required to receive APPI. AP-USAMUCOM.

This item is a reprint of an APPI published in a

This flom is a reprint of an APPI published in a provious Issue.

APPI No. AP-78. Classified, Fuze, Grenade, M217. Confidential clearance required to receive

APPI.

This item is a reprint of an APPI published in a previous issue.

APPI No. AP-45. Ammunition Item — Projectile, HEAT-FS, 90mm, M37iEI, MPTS. Assy 14.47 Inch long x 3.58 Inch dia, 13 compenents. Major components; body, 6.46 Inch long x 3.54 inch OD, tapered nose, 3.5 Inch ID, tapered wall thickness, knurled rotating band seat, thread both ends, aluminum alloy. Rolating band, rigid polyvinyl. Adaptor, niuminum alloy, truncated cone shape, counterbored and threaded top and bottom. Cone, sheet copper. Spike, steel, 6.7 inch long x 3.88 inch bell-mouth dia, Fin, aluminum alloy, 12.53 Inch long x 3.5 inch dia., six webs with T-shaped lugs, internal thread in fin base and external thread opposite end. Other components include condult, nose cap, finsulator and wire lead. Manufacturer requires engineers, metallurgists. Item considered extremely difficult to produce. No clearatice required to receive APPI. AP-USAMUCOM.

This Item of APPI was previously published and is now cancelled.

APPI No. AP-57. Skid, launehing, demolition charge, M3 parts and assembly copisits of approximately 296 drawlings and various sub-assemblies, skid hull, 135" I. x 57-3/8" W x 22-1/4" H, wall thickness 5/8" 1-13/16" external ribs and side rails, fiberglass eloth outer side, fiberglass mats, woven cloth, impregnating resh thermosetting, polyester, gel cast-thermo setting polyester type, olive drap, pal thickness, 112.9" I. x 54" W, same as above, machined aluminum metal parts, 2024-T4 and 6061-T6, plates, lubes, bars extrusions, steel C1020 and 4130. Electrical control system is complicated. Competent staff welding, electrical and mechanical engineers will be required. Item extremely difficult to produce pre applicable spees and drawings, No clearance required to obtain APPI. AP-USAMUCOM. This item is a reprint of an APPI published in a

This item of APPI was previously published and its now cancelled.
APPI No. AP-58. Fuze, Demo kit 1134 w/detonator, electric, M36A1, complete assy approximately 3-3/8" D x 5-5/8" L and consists of approximately 50 different components, center tube 3-1/2" D x 5-5/8" L, aluminum base alloy, sand casting specification QQ-A-60l or die cast. A360, specification QQ-A-60l or die cast. A360, specification QQ-A-50l, container, 3-1/2" OD x 3-1/32" ID x 4-1/4" L counterbored ends, aluminum alloy tube 6061, ASTM-B210; rotor, "U" shape, 2.7" L x 1.2" R x 1/2" thick, aluminum 2024-T4, retainer rotor, 3" D x 3/16" thick w/one inch hole, 2024-T4 aluminum; guide arming, 9/16" D x 1.6" with slots, brass rod ASTM-B16; block terminal lower, 2" L x 5/16" W x 52" H with holes, counterbores and threads, plastic, specification L-P-310, nut, 1.63" D x .20" thick x 1" L aluminum 2024-T4, ASTM-B209; various springs, plates, spacers, nuts, washers, bushings and electrical components; many aluminum parts require anodine treatment, steel components should have a highly competent technical staff for metal working processes. Item extremely difficult to produce to applicable drawings and specifications. No clearance required to obtain APP1 AP-USA-MUCOM.

This item of APPI was previously published and is now cancelled.

This item of APPI was previously published and is now cancelled.

APPI No. AP-59. Rocket motor M95. MPTS, assembled is approximately 35" L x 12" W. Consists of motor body assy of tubing threaded, of hot rolled steel plate, FS4130, 29" L x 6" O.D. x 5." I.D. Adapter boss of 4130 cold steel alloy tack-welded to closed end; manifold complicated chamber, approximately 6" D x 5" L, screws onto motor body, steel QQ-5-681, class 80-50, manifold and body must withstand internal hydrostatic pressure of 3,500 PSI 10 seconds; nozzle 1.89" D x 2.9" L taper bored, threaded OD 1.31" L, steel bar 1117-1137, ASTM A108; front trap assy components 1020 steel fabricated by welding; rear trap three prong spider, threaded, steel QQ-5-681, class 65-35 or bar steel 1030-1040 ASTM-A-107. Requires competent technical staff and is difficult to produce. No clearance required to obtain APPI. AP-USAMUCOM.

APPI No. AP-104. Cap Blasting Special Non-Elec-This item of APPI was previously published and

cal stati and is difficult to produce. No clearance required to obtain APPI. AP-USAMUCOM.

APPI No. AP-104. Cap Blasting Special Non-Electric M7. Aluminum alloy cup 2,35° L x .25° OD loaded with 14.5 grain RDX, 3.7 grains dextrinated lead azide and 1/2 grain lead styphnate. Explosives are compressed into the aluminum cup and capped with an aluminum alloy ferrule. Packed 6 per paperboard carton, one carton in a waterproof bag, 50 bags per fiberboard box and 12 boxes per wooden box. This Item requires isolated loading facilities since the explosive used in this item is extremely sensitive and will detonate unless special precaution are used in handling and loading. No clearance required to receive APPI.—AP-USAMUCOM.

APPI No, EA-32. Cartridge, 40-MM, Riol Control, CS, E24. The E24, 40-MM, CS riot control cartridge consists primarily of an extruded aluminum alloy barrel housing a moided synthetic rubber body assembly containing CS riot control mixture with quickmatch, It is approximately 9 Inches long by 1-1/2 Inches in diameter and weighs about 12 owness.

An extruded aluminum alloy firing cap containing

ownces.

An extruded aluminum alloy firing cap containing a steel firing pin is attached to the muzzle end of the barrel by pressure-sensitive tape. A plastic launcher adapter is positioned around the primer end of the barrel. The primer end contains a threaded auiminum holder containing a primer and a black powder charge. The charge is held in place by pressure-sensitive tape.

An aluminum alloy sleeve containing the pelletized delay mixture and the first-fire mixture is inserted into the neck of the moided synthetic rubber body and held secure by two steel retaining rings. Sealing

into the neck of the moided synthetic rubber body and held secure by two steel retaining rings. Sealing compound is applied to the surface of the sleeve and the first-fire mixture to keep all the mixtures within the sleeve dry. A molded polythylene spacer acting as a gas retaining seal fits over the neck of the body assembly and supports it inside the barrel. A felt pad protects the muzzle end of the body assembly during transportation.

Currently the molded synthetic rubber body is available only from the U. S. Rubber Company. However, a Government moid and rubber formula will be made available for future buys.

No security clearance is required to obtain APPI. EA-USAMUCOM.

EA-USAMUCOM.

EA-USAMUCOM.

APPI No. MI-70, Adapter and Stowage Kit, M274
Vehicle, Adaption hardware for mounting the TOW
SYSTEM on the M274 ((Mule) Vehicle has existed
for some time and considerable testing has been
encomplished. The adapter kit consists of the following items: Two saddles clamped accross the bed
support 5 spare rounds which are held in by quickrelease metal bands. The Tripod carried crosswise
of the vehicle forward of the spare rounds held by
a quick-release metal band and coupling flange. A
pallet supporting a pedestal mounting the traverse
unit, a coupling ring for the traverse unit, and a
support for the electronic unit. No Federal Stock
Number assigned, Confidential clearance required to
obtain APPI, USAMICOM.

APPL No. Mt-1t. Teiped, Launcher, TOW MIS Soft of Shift M. A. filding triped with adjustable teason to the a treat and right base for the launcher forgood only the of a dirable and light weight materials. No Endered St. A. Samber assigned Confiden-No Endered St. & Narober assigned Contracte required to obtain APPL. USAM-

APPI No. MI-72, Adictor and Stowage Kit MIST Volde, Took MISSILE, SYSTEM The MIST Adaptor in the control of the first or lead feep will volte have after mounted firing pedental after some of the first or lead feep will pedental after some of the M. Launcher traversing and the first one of and and missiles. The two missiles are stowed at stadile brackets in the tear of the neep. 11911

the grey the Alley is had in easily mounted on the MISIAI MISIANC with cally minor modifications to the with the IOW can be either fired from the withold or dominated by quick release fasteners to establish a ground mode configuration within the structed reach a time. No federal stock number to the State of the IOW can be required to obtain AFPI I SAMICOM. LYAMICCIAL

APPI V MICHA

APPI No MICHA

APPI No MICHA

APPI No MICHA Adopter and Stowage Kit, MITA

Yor die 1000 MISSILE SYNTEM The MITA vehicle
depend in a strong fining kit for the TOW Missile

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a palental with the 14 humber equipment of the layer set to a furnic position about the deck

of the which of her Federal Rock Number assigned

Control of substance required to obtain APPI.

NAMISTA Charact, Launcher Battery, TOW

APPI No. MI-74. Charget, Launcher Battery, TOW MISHE Schiff M. The launcher battery charger for the nickel-tadmium butters in the launcher bot Federal Stock Number warded. I charget idearance required to obtain action is AMMISTAL.

This transfer of clearance required to obtain this transfer of the control of the

No AV-136. Irre, Preumatic Acft eqpt, orl sept to presoure type; 8 50x10 size AVII No. AVII of the Presentation Acti equi, more wheel applic to pressure types \$50x10 size decision of making of its model tread pattern quantum of the order to the avii of the word tread decisioned for use wood tread decisioned for use wood to the order that year based MIL-C-5041, Types See clearly the higher rating FSN 2620-772-648, AVII of the AVI

AVEOM

APPL No. AVED. Indicator, Indicated Air Speed.
Diel 1 with a siggered in to 250 knots range, 20
bits produced inferences funds of graduations,
correct to respect and lined increments; pointer
2) of 1 to the first lined without instrument Impr
3 of 2 to a deep point to increments; pointer
4) of 1 to a deep point to in 2.324 in.
No. 18 are Mail 2.324, 1835 6616-772-0324. This tends
of 10 to 50 to 10 to 10

APPL No. AV-138. Adaptor, Gun Turret Assister Hard Momenta allow casting No. 356 Appl., Util Hard Momenta allow casting No. 356 Appl., Util Hard Momenta allow casting No. 356 Appl., We find the worldance with procurement package regarded to receive APPL USAAVCOM.

APPL No. AV-139, Harge Half Cargo Door, Upper value a communiation casting No. 356, Appl., Util A. de Daniel and allow with procurement package find the Daniel and APPL USAAVCOM.

APPL No. AV-140, Ust needing Link Rigid. Style in No. 144 av. 140, Ust needing Link Rigid. Style in No. 144 av. 140, Ust needing Link Rigid. Style in No. 144 av. 140, Ust needing Link Rigid. Style in No. 14 av. 140, Ust needing Link Rigid. Style in No. 14 av. 140, av.

APPI No. AV-141. Control Tube, Tail Rotor, Appl. UH I Act In accordance with procurement Package No. 2040118-742 FSN. 1615-886-5998. No Dieutend to receive APPI. USAAVCOM.

APPI No. AV-142. Bearing Ball. Annular. (h) power take-off assembly (i) common hardware grove, effectively angular contact; nonloading from the first flush; 8,999 to 10,250 in. Brown to 1, cutside dis. 10,249 to 10,250 in. Brown to 1, cutside dis. 10,2

Swashplate, Helicopter (UH-1), FSN 1615-446-6386, No clearance required to receive APPI, USA-AVCOM

APPI No. AV-143. Bearing Ball, Annular, Ground, APPI No. AV-143. Bearing Bail, Annular, Ground, single row; radial; nonloading groove; self-contained; both rings flush.; 170 MM bore dia., 260 MM OD; 42 MM o/a w., retainer type, machined bronze construction; ABEC 3 tolerances, std internal fit; high temp oil, MIL-L-7808. FSN 3110-902-3409. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-144, Assembly, Wiper, Appl., UH-1
Acit. Identififification by these part numbers only:
Belj Helicopter P/N 204-070-907. Alco Valve P/N
XW-20257H14. FSN 1680-733-8392. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-145. Filter Assembly, Transmission. Appl., UH-1 Acft. Identification by these part numbers only: Bell Helicopter P/N 204-040-760-3. Michigan Dvnamics P/N 100567. Warner-Lewis (FRAM) P/N 133444. FSN 1615-796-5004. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-146. Valve, Filter and Relief, Appl., CH-47 Acft. Identification by these part numbers only: Air-Maze (Rockwell) P/N 02W16717. Vertol (Boeing) P/N 114DS557-2. FSN 1615-070-7873. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-147. Brake, Magnetic, Electric, Appl. CH-47 Act. Identification by these part numbers only: Vertol (Boeing) P/N 114CS101-10. Alrborne Accessories P/N R460M24-2. FSN 1680-794-2622. No elearance required to receive APPI.—USA-AVCOM.

AV-148. Assembly, Cable. Appl., CH-47 Acft. Identification by these part numb Vertol (Boeing) PN 114E5229-2. Scintilla P/N 10-321425-3. FSN 2925-955-5599. No required to receive APPI. USAAVCOM.

APPI No. AV-149. Grip Assembly, Winch Control. Appl., Cli-47 Acft. Identification by these part numbers only: Vertol ((Boeing) P/N 114ES250-2. Guardian Electric P/N G59916-2. FSN 1680-963-1051, No ctearance required to receive APPI. USAAVCOM.

dan Etectric P/N G59916-2. FSN 1680-963-1051, No ctearance required to receive APPI. USAAVCOM.

APPI No. AV-150, Servo Cylinder, Hydraulic. 1 cylinder; hydraulic operation; double end action; 3.500 in. lg stroke; 937 in. size of bore; llydraulically eperated by-pass valve; o/a dim., 14.340 in. lg, 2.874 in. w, 2.600 in. thk, 2 mlg holes, 1/4 in. dia, 2 paralell holes located at fork end, -350 in. from center of hole to end of fork. Appl., acft control irist, hydraulic, tail rotor, Identification by these part numbers only: Bell Helicopter P/N 204-076-053-11. Conair lnc P/N 1660-23. Sargent Bros P/N SGT220-5. FSN 1650-014-2038. No ctearance Required to receive APPI. USAAVCOM.

APPI No. AT-109. Differential, Driving, Axle. The ORD 7974623 differential with carrier assembly is a major component of the forward rear and rear wheels during turns and straightway vehicle operation. Power is provided through a shaft from power take-off. This assembly consists of following components: (a)housing (b) matched ring and pinion gears (c) side gears (d) spider gears (e) pinion shafts (t) tock nuts (g) antifriction bearings (h) differential case (i) common hardware. SNL APP G792 M123-155. FSN 2520-349-3617. No ctearance required to the ORD 7974611 former.

APPI No. AT-110. Axle Assembly, Forward Rear, The ORD 7974621 forward rear axle assembly is a major component of the power train for a 10 ton truck and is a double reduction type. Power is provided through a shaft from power take-off. This assembly consists of following components: (a) housing (b) differential assembly (c) axle shafts (d) hubs (e) drums (f) brake assemblies (g) antifriction bearings (h) common hardware. SNL APP G792. FSN 2520-149-3619. No clearance required to obtain APPI.

1349-3619. No clearance required to obtain APPI. USATAC.

APPI No. AT-111. Axte Assembly, Driving Front. The Ord 7998622 front axle assembly is a inajor component of the power train for a 10 ton truck. Power is provided through a shaft from power take-off. This assembly consists of following components: (a) housing (b) differential assembly (c) axle shafts (d) hobs (e) drums (f) end assemblies (g) brake assemblies (h) steering knuckles (i) reduction gears (j) antifriction bearings (k) common hardware. SNL APP G792 M123-124-125. FSN 2520-590-0233. No clearance required to obtain APPI. USATAC.

APPI No. AT-112. Transmission with Container. The ORD 5702907 transmission is a major component of the power train for a 10 lon truck and transmits power from engine to power train through clutch assembly. Transmission is a 2 speed type with power take-off. This assembly consists of following components: (a) case (b) clutch housing (c) gears (d) shafts (e) controls (f) antifriction bearings (g) covers (f) reusable container. SNL APP G792 M121-125, APPI. USATAC.

APPI No. AT-113. Transmission with Container.

assembly. Transmission is a 4 speed type with power take-off. This assembly consist of following compenents: (a) case (b) clutch housing (e) gears (d) shaff (e) controls (f) antifriction bearings (g) covers (g power take-ox assembly (f) common hardware (greusable container. SNL APP G792 M123A1C. FSi 2520-909-2690. No clearance required to obtain APP LISATAC.

APPI No. EL-116. Radio Set AN/TRC-103 & (Capable of multi-chainel full duplex operation is the specified base-band spectrum of 12-1300 kc is the frequency range of .755 to .985 gc, using eithe troposcatter or line of sight propagation. No securifical clearance required to obtain APPI, USAECOM.

APPI No. EL-117. Radio Terminal Set AN/TRC 129. Provides full duplex FM SHF communically with the capability of 24-4KC voice channels, one 3 K voice and TTY service channel and an HF Radi capable of accepting one voice frequency channel reaction, obstacle refraction or line of sight tranmission, 2W/4W capability and 20 cycle ringdow is provided for all 24 channels. The set has the capability of being connected in quad space frequency diversity or dual diversity. No security clean ance required to obtain APPI. USAECOM.

APPI No. EL-118. Teletypewriter Set AN/UGC.

APPI No. EL-118. Teletypewriter Set AN/UGC-& (). Page printing receiving and sending. No security clearance required to obtain APPI. USAECON APPI No. EL-119. Radio Terminal Set AN/TRK 80 & (). Provides duplex FM Communication of on voice and one teletype channel by means of tropispheric scatter, diffraction, obstacle refraction or lit of sight transmission. No security clearance require to obtain APPI. USAECOM.

to obtain APPI. USAECOM.

APPI No. EL-120. Radio Terminal Set AN/TRC 90 & (). Provides full duplex FM-SHF communic tion with the capability of 24 4-KC voice channel 16 full duplex narrowband TTY channels, one 3-K voice and TTY service channal and a HF rad capable of accepting one voice frequency channel Propogation is by means of tropospheric scatte diffraction, obstacle refraction or line of sight transmission. No security clearance required to obta APPI. USAECOM.

APPI No. EL-121. Flactronic Chan. Saminarity

APPI. USAECUM.

APPI No. EL-121. Electronic Shop, Semitrafit Mounted AN/ASM-190 & (). Used for storage of repair parts for avionic communication, navigation photographic and infrared systems up to 4th an limited 5th echelous. No security clearance require to obtain APPI. USAECOM.

APPI No. EL-122. Generator, Signal AN/GPM-1 & (). A signal generator when connected to Radia Set AN/APN-9 or Receiving Set, Radio AN/APN 70 provides a check for proper operation. The signia generator simulates a loran transmitting station. No security clearance required to obtain APPI. USA ECOM.

APPI No EL-123. Antenna Group AN/GRA-5( & (). Provides transmitting and receiving antenna facilities for inedium power vehicular radio sets operating in the frequency range of 1.5 to 20 mc. This antenna is intended for quick assembly and disassembly using existing terrain features for supports. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-124. Generator, Signal AN/GRM -50 (). Measures receiver and IF circuit gain, selectivity and image rejection and harmonic distortion of AM receivers. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-125. Transmitting Set, Radio AN/GRT-3A. The transmitting set is a crystal controlled single channel UHF transmitter designed for fixed ground station operation in the voice mode of operation. NOTE: One way interchangeable w/AN/GRT-3 except for maintenance parts. No security clearance required to obtain APPI. USAECOM

APPI No. EL-126, Transmitting Set, Radio AN/
GRT-13 (). A lightweight transportable radio transmitting set designed for parachitte drop. Emits homing signals for use as a site marker. These signats
are received by Receiving Set, Radio AN/PRR-13().
No security clearance required to obtain APPI.
USAECOM.

No security clearance required to opiain AFF. USAECOM.

APPI No. ME-105. Heater, Hot Oll, Portable Trailer Mounted, 2,100,000 BTU/HR. This heater shall consist of an insulated heat exchanger, an oil burner system, an expansion tank for Iransfer oil, a transfer oil circulating system, controls and safety devices, all accessories required for operation, and a pneumatic tired, two wheeled, cart type trailer. Overall dimensions—maximum heighl (with stack removed) 102"; maximum width 96". Heater with all accessories and a full charge of transfer oil should withstand, without damage to heater, towing over cross country terrain for 25 miles and towing at speeds necessary to average not less than 25 mph over paved highways and secondary roads. Heater shall be equipped with a water proof, 24 volt vehicidar electrical system for service and breakout night travel operation. All power necessary to operate the heater shall be supplied by a Government loaned 15 KW, 50/60 cycle, milltary design engine generator

set, multi-purpose, 6115-889-1370). The of the positive mented chiter dis have a capacity of minute. licater the down attach. set, multi-purpose.

6115-889-1370). The file positive memted either memted either have a capacity of including purpositive file positive in the file positive memted either have a capacity of not less than 100 gallons per tie down attach ments. Heater is intended to be used to entition the continuous transfer oil for use with either asphalt plant ((100-150 tph) or MIL-152213. FSN 3895-956-8916. No security clearance required to obtain APPI. USAMEC.

APPI No. ME-106 PAVING MACHINE. BI-

ance required to Obtain APPI. USAMEC.

APPI No. ME-106, PAVING MACHINE, BIIUMNOUS MATERIAL: Crawler Mounted, Gasoline flighted by the properties of the control of the

APPI No. ME-108. DISTRIBUTOR. WATER, TANK. 1000 GALLON CAPACITY. TRUCK MOUNTED: Distributor shall consist of a tank, a TANK. 1009 GALLON CAPACITY. TR UCK MOUNTED: Distributor shall consist of a tank, a gasoline engine driven water pump, a spray bar, and the necessary controls, plping, and safety and warning devices. Shall be mounted on a Government furnished millitary 5 ton, 6 by 6 M61-A2, truck chassis, with personnel heater, and defroster, slave receptacle kit, and without which in accordance with MIL-T-740. Each tank shall be an electrical steel cylinder and shall be fabricated from hot dipped or electric plated, zinc coated, steel sheets or from steel sheets with all interior surfaces trented with three coats of vinyl resin lacquer. Distributor shall be orovided with a oumn unit conforming to MIL-P-10360. Type I, size 4. Class A and diven by a gasoline engine conforming to MIL-E-22680, engine shall he furnished complete with all accessories required for operation. The water distributor is primarily intended for use in soit stabilization and soil compaction operations requiring the accurate distribution of water at predetermined rates. Distributors can also be used for transporting or transferring water, for application of water for dust alleviation, for sump pumpling, for washing equipment, and as auxiliary fire fighting coulpment. In accordance with MIL-DitaksT, FSN 3825-275-2622. No security clearance required to obtain APPI. USAMEC.

APPI No. MR-109, TRUCK LIFT FORK: Diese beauter of the contraction of the

Rebting equipment. In accordance with MIL-D-13/487. FSN 3825-275-2622. No security elearance required to obtain APPI. USAMEC.

APPI No. MR-109. TRUCK LIFT FORK: Diesel. Presumatic Tire. All Puroose. Rough Terrain, 10000 Pound Capacity at 24 inch load center. The forklift truck shall be diesel engine driven and operator selected 2 and 4 wheel steer. Truck shall have a center pivot mounted oscillating frame and a hydraulic powered forklift mechanism with a capacity of lifting 10,000 pounds at a 24 lnch load center frated load) to a height of 144 lnches. Truck shall be capable of traversing rough termin, fording water to a depth of 5 feet without kit, and being transported by air and rail. Truck shall perform all required operations without failure, permanent deformation, malfunction, or damage to any components or structural member. When specified, the truck shall be winterized for operation in ambient temperatures to minus 50 degrees F. All parts, assemblies, and components of winterized trucks, including luternal seals, cables, belts, and hoses, shall be identical to those used on non-winterized trucks except for winterization items, accessories, and components. Unless otherwise specified, an industrial type diesel engine shall be furnished complete with all accessories and shall conform to MIL-E-11276. The truck shall be provided with lifting and tiedown attachments. The truck is linended for use as a materials handling forklift truck with a capability of unloading, transporting, and loadine boxes, containers, and palletized loads up to 10,000 pounds. The mobility of the truck with and without pavload is Intended to cover working areas where high floiation and traction characteristics are required. The truck is also intended to operate and be compatible with hydrailfic erane and snowplow attachments. In accordance with MIL-T-21864, FSN 3930-073-8750. No security clearance required to obtain APPI. USAMEC.

APPI No. WE-203. Aiming Circle and Milling and limite exists a well of obtain this APPI.

APPI No. WE-209.

manufacture. No security clearance is required to obtain this APPI.

APPI No. WE-209. Binocular Infra-red M18. A hand-held infra-red instrument designed for night ise, it is similar in appearance to a conventional binocular but contains a battery operated, high-voltage power source, an image detector tube, and complex optical components. Manufacturers planning to bid on this item should be skilled in electronics and optics as this item is considered most difficult to manufacture. No security clearance is required to obtain this APPI.

APPI No. WE-120 Periscope, Battery Commander, M43. A binocular theodolite type instrument with a complex optical system including lenses, prisms, reticles, and mirrors. Because of the complexity of this item a high degree of accuracy is required in assembly. Manufacturers planning to bid on this item should be skilled in electronics and optics as this item is considered difficult to manufacture. No security clearance is required to obtain this APPI.

APPI No, WE-211. Radar Chronograph, M36. A devise to measure the speed of projectiles in flight. It consists of a transmitter which beams waves at a projectile, a receiver which picks up the reflected waves, and a counting device which measures the difference between the frequency of the waves (Doppler Shiff) and calculates the projectile speed and displays the result in meters per second. The transmitter uses tubes, all other electronics are solld state. This item is considered difficult to manufacture. No security clearance is required to obtain this APPI.

APPt No. WE-212. Range Finder, XM23E2. A device for measuring the range to targets. It consists of a power sonrec and a ruby laser which emits a burst of radiation and counter device that measures radiation travel in converts this data to distance of all tolds, the distance on instrumentation in the Computants include a time of the counter that the counter the counter that the counter the counter that the count

APPI No. WE-213, Telescope, Observation, M49. An erect image optical instrument of the prism-offset type. This instrument uses two Pario type prisms and magnifying lenses in the eyepice and a focusing sleeve. It has not reticle, is fixed at 20x magnification and has a view field of 2 degrees, I2 minutes. This instrument is considered moderately difficult to manufacture. No security clearance is required to receive the APPI.

APPI No. WE-214. Computer, Sun Direction

required to receive the APPI.

APPI No. WE-214. Computer, Gim Direction Mt8. A digital computer designed to operate within temperature ranges of 40 degrees F to +125 degrees F and to withstand shock and vibration. Components include a magnetic disc memory unit of extremely close tolerances. 106 printed circultor power supply chassis, transistors, display panet, read & write heads, transistors, display panet, room facilities and highly complex test equipment. This item is extremely difficult to produce. No seemtly clearance is required to get this APPI.

APPI No. WE-215. Reproducer, Signal Data,

seemity clearance is required to get this APPI.

APPI No. WE-215. Reproducer, Signal Data,
AN/GSQ-64. Memory Logic Unit, a photo-electric
punched tape reader, designed to operate under
severe conditions of temperature, shock and humidity. Components consist of tape airlye, printed
circuit boards, solid state electronics etc. This item
is considered difficult to produce. No security
clearance is required to obtain this APPI.

APPI No. WE-216. Tage Co. Communication.

crearance is required to obtain this APPI.

APPI No. WE-216. Test Set. Computer Logic
Unit AN/GSM-70 (FALT) A testing device designed to operate unifer severe conditions of temperature, shock and humidity. Components include
53 printed circuit boards, solid state electronics,
switches set. This item is considered most difficult
to produce. No security clearance required to obtain this APP1.

APPI No. WE-217. Rod Traversing, Handwheel, P/N 5593165. For carriage IIOW 105 MM, Mi01, MI01A1. Approximately 22 318" L x 1.185" D. Each end has screw threads. Machined from alloy steel to close tolerances. Not considered difficult to manufacture. FSN 1015-559-3165-C021. No security clearance required to obtain hits APPI.

APPI No. WE-218, A Plu, Trail Hinge, P/N 6158096 for Carriage, HOW 105 MM, M101, M101AI. Approximately 11 3/8" L x 2 3/4" at largest diameter. This Pln has threads at one end, Machined to moderate tolerances from steel. Heat treated before machining. Not considered difficult to manufacture. No security clearance required to obtain this APPI. FSN 1015-615-8096.

Obtain this APPI, FSN 1015-615-8096.

APPI No. WE-219, Bushing. Top Cartiage, P/N 6167152. For cartiage, HOW 105 MM MI01, M101A1. This bushing is approximately 2.8" W x 5.5" diameter at largest diameter. Made from copper base allow casting. Not considered difficult to manufacture. FSN 1015-616-7152. No security clearance is required to get tills APPI.

APPI No. WE-220. Extractor. Breech Mechanism Assy. PN 7305016. For light HOW Towed 105 MM, M101. M101A1. On Extractor used in a howitzer breech mechanism to extract spent shell casings. It is approximately 6,75" L x 1.9" H x 2.5" W. Machined to medium tolerances from alloy sleel. Magnetle particle inspection required. Case earhonized. Not considered difficult to manufacture FSN 1015-219-8031. No security clearance required to obtain this APPI.

APPI No. WE-221. Mechanism. Assembly, Elevating M3 Mount. P/N 5574621. This item is used on the M3 Machine Cai. 50 Tripot Mount, It consists of 4 sub-assemblies and 27 other separate components. Procured as a complete asembly. Condered moderately difficult to manufacture. FSN 1005-557-4621. No security clearance required to obtain this APPI

obtain this APPI
APPI No. WE-222. Magazine. Assembly 30
Round. This magazine applies to the Cal .30 Carbine. Components are tube, base, spring, and follower. The magazine carries 30 rounds of Cal .30 ammunition. This item is not considered difficult to manufacture. FSN 1005-716-2176 No security clearance required to obtain this APPI.

ance required to obtain this APP1.

APPI No. WE-223, Bott Assy. Breech. P/N H010357 for 7.62 MM Machine Gun. M60 and M60C. This assembly consists of two (2) sub-assembles and eleven (II) other components. The ilem is procured as an assembly. Machined to close tolerances from sleel forgings. Considered moderately difficult to manufacture. FSN 1005-763-1863-A101. No security clearance required to obtain this APP1.

10 WF1214 Target Salmoughte, P/N with Argumental, by Fe2" wide x 40° high, few Verology wir arrest losed as simulated of few performance and few performance are decreased to obtain this APPL.

APPI %: B4-228, Miss Target Holding Mech-APPL No. W1-228. Miss Target Holding Mechanism pro. 770 181. A greef after to support a profit of the control of a target control of a sample control of a target control of a target control of the cont

CPFI No. APPI

CPFI No. WF-126, Case Cleaning, P/N 7267154,

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#### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U.S. Dept. of Commerce, Chicago, Ill.) issue, dated Jan. 3, 1967 page 2 No. PSA 3966 such that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column I first three paragraphs.

APPI M175. Geodicce Set for Listinker, TOW Wedg a Scalery. The guiding set provides facilities for horizon insufficient, and contains the electromatics for factors in describing system operating and control soften an additional function is to rectify the softeness set consists, primary law signal. The sendance set consists, primary law signal fee sindance set consists, primary law signal fee conditional fee installed in the states of a fee of a fee of the conditional fee installed in the states of a fee of the fee of the set of

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APPI MITO, Londower, IOW Wespon System, Ing. I so Massic container. I of fiberglass/epocy costs for that proceed on the commental protection for the process and the moment of the costs for that the net broken and the moment is force associated the most in the molecular from the broken with this or its environmental protection. Materially discomment and electrical connector to the homest are provided automatically as the container of the localed and locked into the launch tills. When it also the changes exces as the reactive of the following the best to the following the street of the following the street of the following the following

chases required to receive APPI USAMICOM.

APPI MI-72 Inversing Unit for Launcher, TOW Works become the inversing unit is an electropic became became it is attached to the tripod design ground engagement. It provides mechanical top is for the terms take, suphyteenor, and mission as well as the receiver electrical connections and attached as well as the receiver electrical connection, and the second tripode of the receiver electrical connections and attached at the first tached and bridge clamp, viscous damper, the tached and bridge clamp, viscous damper, the tached the flectual fifting sequence. It is alternated the flectual fifting sequence in the actual mask burder assigned. This APPI is received in a sequence of the first approximation of the contactor is Harbest Aircraft. Culver City, Calif. Contactor is Harbest Aircraft. Culver City, Calif. Loadhrists cleations required to receive APPI.

DAMIN'OM

APPI MI-78. Some Sensor Unit of Launcher, TOW
Weapon bettern The schil/sensor compares the inmatterpress free of sight from the launcher to the
entastle with the structural line of sight to the
struct. This comparison establishes the amount of
correction regained by the missile at any moment
during the flight. The sight/sensor consists of an
eye sat sight, an infrared sensor, and associated
slectures arrests including a preamplifier, boresight
intuitie, and a reference resolver. No Federal Stock
Samber arrigand. This APPI is released for subcontracting exportantines only. Prime Cumractor is
Hagbers Autoratic, Culver City, Caif. Confidential
chearance required to receive APPI. USAMICOM.

APPI No. AT-76Rl. Wheel, Solid Rubber Tire, Road M113. This ORD 8763350 road wheel was originally released in July 1966. Provision of this revision is adjustment of quantities. FSN 2530-679-7973. No clearance required to obtain APPI. USA-TAC

APPI No. AT-76R2. Sprocket, Drive M48-60. This ORD 8671597 sprocket was originally released in July 1966. Provision of this revision is adjustment of quantities. FSN 2530-318-0229. No clearance required tu obtain APPI. USATAC.

quired tu obtain APPI. USATAC.

APPI No. AT-76fl3, Track Shoe Section XM501
Series. This ORD 10892811 track shoe section was
originally released in July 1966. Provision of this
revision is adjustment of quantities. FSN 2530-7307343. No clearance required to obtain APPI. USATAC.

7343. No clearance required to obtain APPI. USA-TAC.

APPI No. AT-114. Paulin Assembly. The ORD 7707288 paulin assembly is used on the M37 and M37B1 3/4 cargo truck to protect personnel and cargo from inclement weather and unfavorable conditions during vehicle operation. This paulin assembly consists of lollowing components: (a) #10 processed duck (b) grommets (c) tie-down ropes (d) strap and buckle assemblies (e) rivets (f) sewing thread. SNL APP G741. FSN 2540-770-7288. No clearance required to obtain APPI. USATAC.

APPI No. AT-115. Tire Pneumatic 16.00X24, 12 Ply Lug Type, Nylon, Grader DC. The MS-35390-43 pneumatic tire is a major component of the traction system for earth moving equipment. This tire assembly has lollowing basic characteristics; (a) ply rating-12 (b) type classification-Grader DC (c) tread type-DIR TRTN (d) cord material-nylon (e) rnax rated load-7900 lbs (f) inflation pressure-30 PSI (g) app width-18.2 in (h) app dia-57.5 in. Specification Fed Spec ZZ-T-381. SNL APP MULTIPLE. APPI No. AT-116. Battery. Dry Charged, 12 Volt

APPI USATAC.

APPI No. AT-116. Battery, Dry Charged, 12 Volt Type 6TN. This MS-35000-3 battery assembly is used for starting, lighting and ignition purposes for wheefed and tracked vehicles. This assembly has following characteristics: (a) automotive series (b) 12-volts (c) 6-cell (d) 100 amp.hr. rating. Assembly consists of following components: (a) hard rubber or plastic case (b) positive lead plates (c) negative nectors (g) cover (h) vent plugs (i) terminal posts rectors (g) cover (h) vent plugs (i) terminal posts (j) baffle plates (k) battery hardware, SNL APP-MULTIPLE, ISN 6140-057-2554. No clearance required to obtain APPI. USATAC.

APPI No. AT-117. Regulator, Engine, Generator Control Assembly. The MS-51356-1 regulator assembly is a major component of the electrical system

APPI No. AT-117. Regulator, Engine, Generator Control Assembly. The MS-51356-1 regulator assembly is a major component of the electrical system for military vehicles. This assembly has following basic characteristics: Type II (vibrating); Grade A (waterproof): for use on negative ground systems enly; overall dimensions 6-1/2 x 9-7/8 inches; voltage-28 volts; amperage-25 amps DC. based on perperformance type specification. SNL APP-MULTI-PLE. FSN 220-335-4677. No clearance required to obtain APPI. USATAC.

APPI No. AT-118. Windshield Assembly, Flat, Vehicular. The ORD 7005417 windshield assembly for wheeled vehicles. This windshield assembly consists of fullowing components: (a) salety glass (b) steel frame (c) weatherstrip (d) filler (e) cross piece assy with channel type hinge (f) latch (g) special side brackets (h) common hardware. SNL APP-MULTI-PLE. FSN 2510-700-5417. No clearance required to obtain APPI. USATAC.

APPI No. AT-119. Switch Electrical Fuel Interlock. The ORD 10874979 switch assembly is an oil pressure activated diaphragm contact control device for military equipment. This switch assembly has following characteristics: (a) operating pressure-2.5 to 5.5 PSI (b) test pressure-150 PSI (No. 10 w oil) for 5 minutes without change in operating pressure or leakage (c) contact continuous load-2.5 amps at 28 volts inductive-5.0 amps at 28 volts resistive, SNL APP-MULTIPLE, FSN 5930-771-81190. No clearance required to obtain APPI. USATAC. CANCELLATION OF APPI. Perviously published as AV-133 in 8 November 1966

APPI No. AV-133, Cancellation of APPI. Previously published as AV-133 in 8 November 1966 issue of Commerce Business Daily, this APPI 1s hereby canceiled on request of the requiring activity of this Command. AV-133, Filter, Fluid Pressure.

USAAVCOM.

APPI No. AV-151. Trunnion, Left Hand, Sleel casting, corrosion resistant, AMS-5355, Appl., UH-1 Acft. In accordance with Procurement Package No. 204-060-161-I. FSN 2995-731-7957. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-152. Cable Assembly, Tail Rolor. 7 X 19 corrosion resistant steel, 182 in, long X 1/8 in, dia. Appl., UH-1 Aclt. In accordance with Procurement Package No. 204-001-792-9. FSN 1560-771-2512. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-153 Lavar Assembly Throttle Con-

APPI No. AV-153. Lever Assembly, Throttle Control. Aluminum cashing approximately 4 in. long, Appl., UH-1 Acft. In accordance with Procurement

Package No. 204-060-743. FSN 1560-739-4577. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-154. Repair Kit, Plexiglass. Parts make-up data includes: resin, acrylic, spatula, eye dropper, masking tape, the foil, FSN 1560-695-4909. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-155. Scale, Aircraft Weighing. 150,000 Lb. max. cap., portable with carrying case, electrically operated, AC, 110V, 60 cycle, single phase, DC, 22V to 28V, indicator, 5i00 lb., dial graduations in 10 lb. increments, accessories per specifications, M1L-W-7327, Type No. C-i. FSN 6670-999-1195. No clearance required to obtain APPI. USAAVCOM. specifications, 6670-999-1195. USAAVCOM.

APPI No. AV-156, Regulator, Oxygen, Diluter Demand for Fixed Position. Automatic pressure breathing in accordance with MIL-R-25916, Appl., OV-1 Acft. FSN 1660-567-2921, No clearance required to receive APPI. USAAVCOM.

APPI No. AV-157. Cage, Liquid Quantity. Appi., UH-1 Acft. Identification by these part numbers only: Simmoutis Precision Products P/N 393001-01490. Beli Helicopter P/N 205-061-633-7. FSN 6880-868-9811. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-158. Brake Assembly, Magnetic. Appl., Uff-1 Acft. fdentification by these part numbers only: Beli Helicopter P/N 204-001-376. MEM-COR, Inc. P/N MP-498-3. Airburne Accessaries P/N R460Mi5-3. FSN 1680-909-8716. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-159. Tank, Hydraulle Fluid. Appl., CH-47 Acft. Identification by these part numbers only: Vertol (Boeing) P/N 114HS104-2. Adel Division, General Metals Corp P/N 416220-2. FSN 1650-050-8349. No clearance required to receive APPI. USAAVCOM.

USAAVCOM.

APPI No. AV-160. Harness, Aircraft Safety Shoulder, Designed for one person, 1-3/4 in. wide webbing adjustable, 48 in. max. adjustable length, steel buckle. In accordance with MIL-FI-5364 und Air Force Orawing 50D3770. Procurement will be 100% small business set-aside. FSN 1680-485-3047. No clearance required to obtain APPI. USAAVCOM.

APPI No. AV-161. Switch Assembly, Low Fuel Level Warning. Assembly must be effected utilizing Revere Corp Switch F-8300-14 in accordance with Bell Helicopter Co. procedure. Appl., UII-I Acft. In accordance with Procurement Package Nn. 204-060-654-5. FSN 2925-969-9158. No clearance required to receive APPI. USAAVCOM.

APPI No. 162. Finel and Oil Kit. Filter Element.

In accordance with Procurement Package No. 204-060-654-5. FSN 2925-969-9158, No clearance required to receive APPI. USAAVCOM.

APPI No. 162. Fuel and Oil Kit. Filter Element. Appl., UH-1 Acft. In accordance with Procurement Package No. 204-2490-1. FSN 2945-(119-0280. No clearance required to receive APPI. USAAVCOM.

APPI No. AP-11R-2. Simulator, Artillery Gunflash, M140 equipped with Squibs, electric, \$72 "procured loaded" weighs 69 ibs per box of 24, and is comprised of the following major parts: Container, Outer is hollow black cylinder 7.81" length x 1.88" OO fabricated of plastic. The top end has 1/2" hole threaded to receive filling plug. The buttom emi of outer container is attached to a shoulder at hollom end of inner container. Filling Plug is of real plastic material slotted to receive a screw driver und threaded to fit the hole in the top of outer container. Container, Inner Is hollow cylinder 6-7/8" length, 1-1/4" outsile diameter fabricated of black plastic. The bottom has an external flange which forms a seat for the outer container and an Internal thread to receive adapter holder. Pyrotechnic Charge is contained in container inner, consists of 80 grams of pyrotechnic composition containing maguesium powder and oxidizer. Adapter holder is a black plastic externally threaded plug with a well in the center to receive the electric squib. This well projects into a paper former which is recessed into the pyrotechnic charge. The simulator is packaged in fibre container 24 per box with commercial Squib S72, Mannfacturing firms bidding on this item will require facilities to process and load pyrotechnics and a technical staff familiar with pyrotechnic specifications and processes. This item is considered somewhat difficult to produce according to Government specifications, No clearance required to receive APPI. USAMUCOM.

APPI No. AP-15R-2. Projectile. 90mm, TP-T, M353, MPTS, 14.2" max L x 3.537" OD, (5) cont-

ment specifications. No clearance required to receive APPI. USAMUCOM.

APPI No. AP-15R-2. Projectile. 90mm. TP-T. M353, MPTS. 14.2" max L x 3.537" OD, (5) components, Body, approx 10.15" L x 3.537" OD, one plece design, threaden nose section, rotating band and crimping grooves, base section. Totating band and crimping grooves, base section 7/8" thd x 1.05" deep center hole, matl, stl, HR carbon hars, excluding Bessemer Stock. Rolating Band, blank 3.55" OD x 1.255" L x 21" wall thickness, mad, gilding metal. Class B. annealed, Windshield. cone stape. 6.928" L x 3.51" OD at base, base has 2-3.4" ID thd, varying wall thickness, matl, A1 alioy die casting, Comp A380. Plng and Dlsc Assy. (2) components. Plug, 7/8" OD ind x .34" L, 5/16" bore, with .44" counterbore, plus (2) 7/64" x 1/8" deep holes in base, matl. A1 alloy, 2024, T4, finish, anodine film, disc. .435" OD x .004" thick, matl. brass, comp 2. Manufacturing firms bidding this item will require a highly competent technical staff of engineers, melallurgists, chetralsis and tool design engineers. This projectile is considered very difficult to produce to applicable specificalions. No clearance required to receive APPI. USAMUCOM.

APPI No. AP-16H-2. Simulator, Projectife, GB, MI15A2 is approx 7.13" Lx 1-15/16" D "Precured long of the color of the colo

receive APPI, USAMUCOM.

APPI No. AP-67R-2, Projectile, 81mm, M374

W/Fuze M524A5, Body Assembly, 1.403" max L x
3.184" OD, consists of /4/ component parts, Body,
9.50" L x 3.182" D near center, tapered to 2.38"
D at front end and 1.835" at rear end with varying
thickness from .185" to .25", nose thread 2.00 12NS1B, end bore to 1.62" for brazed in adapter matetial, pearlille malleable iron, Grade 50007, Specification MIL-C-46971, physical properties, yield
strength 50.000 PSI minimum, .1 percent off-set,

 $\sim_{\mathcal{T}_{\mathcal{T}_{0}}}$ 

elongation - 7 percent minimum. Adapter, Base, 1.26"
L x 1.800" max D one end threaded 1-1/8-18NEF2A, material, carhon steel, special bar quality, ASTM
Specification A107, or At08 applies, alternate material, pearlitic malleable iron. Grade 50007, Specification MIL-C-46971, physical properties, yield
strength 40.000 PSI minimum. I percent offset, 10
percent minimum cloneation, mechanical property
requirements of MIL-C-46971 apply lor alternate
material. Cover, base, 1.02" D x .0209" thick, material, cold-rolled carbon steel strip, Temper No. 4
ASTM Spec A109 applies, Adapter, base is brazed
360 degrees to withstand 5000 PSI hydrostatic test
and 150 lb PSI air test. Body requires 100 percent
ultrasonic Inspection and magnaglo. Band, Oburrating, 3.500" D x .187" thick, material, pipe, plasife,
Specification PA-PD-2521, Body assembly prior to
assembly of band, obturating requires phosphate
coat and paint. Manufacturing firms bidding this
item will require a highly competent staff of engineers to design, labricate and maintain precision
tools required for mass production of this item.
This item is considered very difficult to produce to
applicable specifications. No clearance required to
receive APPI. USAMUCOM.

APPI No. AP-90R-1. Slmulator, Booby Trap Flash,
M117, Loaded, Consists of approximately 18 com-

receive APPI. USAMUCOM.

APPI No. AP-90R-1. Simulator, Booby Trap Flash, M117, Loaded. Consists of approximately 48 components. Complete assembly is approximately 47 long x 17 D, labricated from steel strip, FS1009, high carbon steel, bright music wire. Kraft paper, 60 lbs, grade B, shipboard, class 2, jute paper commercial, lelt number 10, glue, quickmatch, adhesive tape, type II, grade B and charge composition consisting of 50 percent potassium Perchlorate grade 1, 33 percent antimony sulfide and 17 percent magnesium, type I, grade A, granulation number 12. Firms bidding on this item should have a technical staff familiar with pyrotechnics manufacturing processes. This item is considered somewhat difficult to produce In accordance with Government specifications, No clearance required to receive APPI. USAMUCOM.

APPI No. AP-165, Fuze, Time, M65A1 consists

esses. This item is considered somewhat difficult to produce in accordance with Government specifications. No clearance required to receive APPI. USAMUCOM.

APPI No. AP-16S. Fuze, Time, M65A1 consists of 16 parts as follows body, 1.61" L x 2.32" OD with molded and machined eavities, slots, and thrends, material, zine, base alloy, die casting composition AG40A. ASTM B86. Head. 1.395" L x 2.280" OD with molded or machined cavities and undercats, material, zine, base alloy, die casting composition AG40A. ASTM B86. Ring, Time Train, 2.30" x .380" thick with forged and machined groove and 1.001" D' center hole, material, brass, lorging free machining. Spec MIL-B-13351. Ring, Expelling Charge Retainer, 1.686" D x .19" thick with 1.30" D center hole and 1.6876-20UNS-1A thread on OD, material, steel, bar, carbon, 1117 or 12L14 (leaded), cold finish. ASTM A108. Striker, .68" L x .438" D with machined point and two driller cross holes, material, steel, har, carbon, 1117 or 12L14 (leaded), cold linish. ASTM A108. Disc, Expelling Charge Retainer 1.63" D x .016" thick with seven (7), 15" loles, material, steel, har, carbon, 1117 or 12L14 (leaded), ASTM A93. Cover, Expelling Charge Retainer, 1.68" D x .006" thick disc, material, cloth, chambric, varietycd, Spec MIL-C-20610. Washer, Body, 2.18" D x .003" thick with .646" D hole, material, paper, onlonskin, Spec MIL-P-157. Pin, .550" L x .150" D, material, steel bar, carbon 1117 or 12L14 (leaded), cold finish, ASTM A108. Washer, Went Crimping Support, .218" D x .002" lhick disc, material, paper, onlonskin, Spec MIL-P-157. Pin, .550" L x .150" D, material, steel, sheel, zinc coated (galvanized). ASTM B36. Disc Venl Crimping Support, .218" D x .002" lhick with .150" center holes, material, steel, sheel, zinc coated (galvanized). ASTM B36. Disc Venl Crimping Support, .218" D x .002" lhick with spec MIL-P-157. Whe, Sbear, 2.70" L x .032 D, material, wire copper, seft or annealed ASTM D, material, wire copper, seft or annealed ASTM D, and couter tube and a shorter inner tube, both

USAMUCOM.

APPI No. EA-33, CBU-19/A Cluster Bomb Unit,
The CBU-19A cluster bomb unit is used for the
aerial delivery of CS riol control agent on selected
targets. The CBU-19/A bomb unit is approximately
62.5 inches long, 12 inches high, 10 lenches wide and
weighs 130 pounds, It consists of a hinged strongback assembly, two suspension lugs and two E158
50 pound riot control CS canister clusters.

Strongback Assembly. The strongback consists of a rectangular extruded aluminum bar with hinges on each side, two spring-loaded aluminum end clamps, a steel tie rod, and an aluminum sway brace pad assembly. The strongback assembly is placed over two E158 50-pound tiot control CS canister clusters and ties the two clusters together by means of the spring-loaded end clamps, the tie rod and an explosive bolt assembly.

Explosive Bolt Assembly. The explosive bolt assembly consists of a steel body and an explosive train. During assembly of the CBU-19/A cluster bomb unit an aluminum collar is placed over the tie rod and the explosive bolt is screwed onto the end of the tie rod. The collar and explosive bolt are locked by a locking wire to the end clamp. The electrical connector from the explosive bolt is secured to a metal clip mounted on the end clamp. Suspension Lugs, Two steel suspension lugs screw

secured to a metal clip mounted on the end clamp. Suspension Lugs. Two steel suspension lugs screw into the strongback of the CBU-19/A cluster bomb unit for attachment to the aircraft.

E158 Riot Control CS Canister Cluster. Each E158 50-pound riot control CS canister cluster consists of eight molded plastic modules heat scaled together, a fuze bar assembly and a fuze assembly. Each module contains 33 E49 riot control CS canisters, a plastic pusher plate and a plastic bag containing black powder. No clearance required to receive this APPI. USAMUCOM.

APPI No. EA:34 E158 50-pound Tactical CS

receive this APPI. USAMUCOM.

APPI No. EA-34. E158 50-pound Tactical CS Canister Cluster. The E158 50- pound tactical CS canister cluster is used for the aerial delivery of CS riot control agent on selected targets. The E158 canister cluster consists of eight modules heat sealed together, a fuze bar assembly, a fuze assembly and an E63RI mechanical time fuze initiator.

sealed together, a fuze bar assembly, a fuze assembly and an E63RI mechanical time fuze initiator. Module, Each module is made of molded plastic and contains 33 E49 riot control CS canisters. The fuze retainer of the E49 CS canister lits into holes in a plastic pusher plate which sits on a group of foam pads in which is inclosed a plastic bag containing black powder. Fuzes lead from the black powder bag to the fuze bar assembly.

The E49 Riot Control CS Canister. The E49 canister consists of two main assemblies: the alturnimum canister into which the CS pyrotechnic mixture has been pressed, and a fuze assembly. The rubber disc in the fuze assembly has a small off-center hole with an aluminum stiffner ring on one side and Mylar sheet on the other. The fuze is retained by being press-fit into the orifice in the rubber disc. The fuze assembly consists of an aluminum fuze retainer which is staked to the fuze, a fuze ignition mix, a 5- to 6- second fuze, a polyethylene ignition compound.

Fuze Bar Assembly. The fuze bar assembly consists of an aluminum fuze interests of a model of action fuze and aluminum compound.

tube, and gelatin capsule containing the ignition compound.

Fuze Bar Assembly. The fuze bar assembly consists of a molded plastic fuze bar attached to the eight clustered modules. The fuze bar contains delay fuzes which lead from the modules to two aluminum junction blocks. The fuze bar is covered with an aluminum fuze bar cover. Aluminum fuze housing in the fuze bar is provided.

Fuze. The fuze consists of a slide-release pin, a safety cap, a safety wire, a steel firing pin, and M55 detonator assembled in a spring-loaded slide, and two X310A primers, and is housed in the fuze housing of the fuze bar assembly.

E63RI Mechanical Time Fuze Initiator. The E63RI mechanical time fuze initiator consists of a cylindrical aluminum body containing a clock mechanism and a spring-loaded pin. The initiator has a threaded hole in the base and a safety plug at the lop. A lockwire secures a safety ring and pin to the safety plug. The pin of the safety ring and pin holds a spring-loaded arming pin in a depressed position. A locking screw, a time ring, and an altitude set line are incorporated in the initiator to permit various altitude settings. Each initiator is provided with an aming wire. No clearance required to receive APPI. USAMUCOM.

APPI No. ME-110, Loader, Scoop Type: Pneumatie Tired. Four Wheel Drive. Diesel Engine

an arming wire. No clearance required to receive APPI. USAMUCOM.

APPI No. ME.110. Loader. Scoop Type: Pneumatic Tired, Four Wheel Drive, Diesel Engine Loader shall be diesel engine driven, air droppable, 5,000 lb. rated load capacity, pneumatic tired, 4 wheels, with 4 drive wheels and 2 steerable wheels, and shall be equipped with a general purpose bicket hydraulically operated and from mountied, and such other attachments as specified. Loader shall withstand without damage transportation by trick and traller over unimproved terrain, emerging the shall megotiate 15-degree side slopes and 30-degree longitudinal slopes without any wheel of the loader losing contact with the ground. Loader shall be capable of convoy operation and of fresh and salt water fording without damage or leakage of water into fuel, hydraulic, and lubricant reserving particularly of the electrical, fuel, and exhaust systems, shall resist any harmful effects of dusl, water (salt or fresh), corrosion, and fungl, To the maximum practicable extent, materials and and corrosion. All major assembles and installed attachments shall be accessible for maintenance,

striat on irreplacement, except that the transmission may be no med as an integral unit with the torque construction for indicating type diesel engine including 1 food transfer of sufficient capacity for 8 hours of creat of sufficient capacity for 8 hours of creat of sufficient capacity for 8 hours of creat of different probabilities of sufficient to Specification MILE-English for the sufficient of the provided Service brakes shall be provided in any different parking the sufficient controlled, and token of the provided shall be an actualed. Between the first brane the fooder, equipped with the entries holds attachment, to a complete stop with the entries holds attachment, to a complete stop with the entries holds attachment, to a complete stop with dead arrange dull be towable at speeds of to 4 mg/s. It dies shall be provided with a removable metal for her for each wheel to prevent mud, water, and stone for such the provided When specified, hadrened it is so any shall be provided. Honder is intended manable for the let be provided. Honder is intended manable for the let be provided. Honder is intended manable for the let be provided. Honder is intended manable for the let be provided. Honder is intended manable for the let be provided. Honder is intended manable for the let be such a backet loader operations, long-for her with a previous and shovels. In accordance with MI 15-14-15 by No. 5-20-4943. No security clear-time to, and to charle Michael Longer Biruminous Content.

real period for some in the set courses are for the complete for the control sports with and as an expedient replacement by a with are and showed in accordance with MH 1-2716 1981 Vol. 2021 Vol. 2021 No. 8 security clearwise for the control of th

asphalt storage transfer pump facilities) for producing continuous mix, high type asphaltic concrete mixes. In accordance with MIL-M-52329. FSN 3895-689-7402. No security clearance required to obtain APP1. USAMEC.

APP1 No. ME-113. Shop equipment, general purpose repair, semitrailer mounted: Shop shall consists of a van body with a hot air heating system and folding sides mounted on a semitrailer chassis. Shop shall be fitted with all items specified in SM 5-4-4940-S11. Contractor shall furnish complete shops with all items of equipment except the 60,000 Bth heater, and five padlocks which with be furnished by the Government and shall be mounted by the contractor. Shop shall be identical to the prototype which will be loaned to the contractor by the Government. In case of conflict between the Government lanned prototype and the specification, the specification shall govern. All seals, hoses, V-belts, electrical cables, cords and wiring shall be made of material operable to minus 65° F. Shop shall not leak when exposed to a precipitation of ½, gallon per minute per square foot of surface. Shop shall perform at any ambient temperature between minus 65° F, and plus 125° F. When loaded with the tools and equipment, the shop shall withstand towing on paved roads, unimproved roads, and cross country trails. The towing shall include abrupt stops and sharp turns. During or following towing, there shall be an damage to or displacement of any component, accessory, part, or tool installed in or on the shop; no evidence of defective welded, holted, or riveted connections on the shop; and no entrance of water, mud, or dust into the body of the shop. The gasoline encine shall conform to MIL-E-11275, Group 11. liquid cooled with a finel tank of at least a 55 gallon capacity. The body shall be constructed of aluminum and steel with welded and riveled connections. Shop shall he equipped with service and blackout lichting systems. Lifting and tiedown atcachments shall be provided. The general purpose repair shop is intended for

APPI Nn. EL-128. Test set, electronic eircuit AN/GSM-65. Measures output vnltare, output current, frequency, regulation and efficiency of either single phase or three phase aircraft inverters. No security clearance required to obtain APPf. USA-

security clearance required to obtain APT. USA-ECOM.

APPI No. EL-129. Test set, electronic circuit AN/GSM-72. On command from a test programmed tape the AN/GSM-72 makes either de resistance, insulation resistance or impedance measurements. It permits static testing of independent modules, classis of various radio and radar equipment. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-I30, Radio set AN/FRC-93(). Provides transmitting and receiving facilities in the 3.4 to 29.7 mc frequency range. No security clearance required in obtain APPI. USAECOM.

APPI No. EL-I31. Terminal, telegraph AN/MGC-34().A lightweight mobile assemblage consisting of Transmitter. Teletypewriter TT-75C/GGC; 6 ea Terminal. Telesraph TH-5/TG; 1 ea Junction Box 1-85/G; 3 ea Chairs, folding; 1 ea Cable Assembly, Power, Electrical 100 ft; with accessory equipments installed in ½ ton Trailer M-416 (mod). The teletype equipments may be operated from the trailer or may be rapidly removed and placed in operation from Instance in % ton trailer M-916 (mod). The teletype equipment may be operated from the trailer or may be rapidly removed and placed in operation from a tent or other shelter as needed. No security clearance required to obtain APPI. USAECOM.

ance required to obtain APPI. USAECOM.

APPI No. EL-132, Public address set AN/PIQ-5A. May be used portably or with its electronic megaphone mounted to a stand and the microphone hand-held at a distance up to 25 feet from the megaphone. Provides amplification up to 46 db, No security elearance required to obtain APPI. USAECOM.

APPI No. EL-133. Frequency Meter AN/TSM-16A. High speed electronic counter combined with an accurate erystal controlled timing gate. No security clearance required to obtain APPI. USA-ECOM.

ECOM.

APPI No. EL-134. Calibration set, radiac AN/
UDM-1A. Designed to provide a radio-active source
of known intensity for use as standard in checking
and calibrating radiac equipments. A capsule conof radiation, An optical system is provided so that
the meter of the radiac equipment under test can be
read from a safe distance. Different from AN/UDM1 in that radio-active cessum 137 is used instead of
cobalt 60. No security clearance required to obtain
APPI. USAECOM.

APPI No. EL-135. Radio set AN/PRC-41. Plovides ground-to-air communication within the frequency range of 225.0 to 399.99 mc. in the form of a man-carried pack. Adaptable to vehicular installation of fixed station use by use nf Accessory Kit, Radio Set MK-706/PRC-41. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-136. Test set, teletypewriter AN/
UGM-I, Alignment of telegraph circuits and equipments analysis of telegraph signals, bias distortion,
contact efficiency. No security clearance regulard
to obtain APPI, USAECOM.

APPI No. EL-137. Spectrum analyzer AN/UPM-84A. This is a broad band multiple superheterallyne type of receiver. The output is a video display or a calhode ray tube which shows power distribution of radio frequency as a function of frequency. It features a variable sean ratio, variable sweep width and sweep 1.F. No security clearance required to obtain APPI. USAECOM.

## NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, III.) issue, dated Feb. 7, 1967 page 2 No. PSA 3986 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. WE-227. Panel Control Box. P/N 11701255, a small arms part. This armainent control panel subsystem Is used on a machine gun mount. This system consists of four (4) assemblies and approximately 45 other parts. Components must be wired and soldered. Wiring diagram must be used to assemble this schematic diagram must be used to assemble this system. FSN 1005-912-4105. No security clearance is required to obtain this APP1.

APPI No. WE-228. Brush. Cleaning Small Arms.

is required to obtain this APP1.

APPI No. WE-228. Brush, Cleaning Small Arms. P/N 7790463, a small arms part. flrush is used to clean the chamber of the 7.62MM M14 Rifle. The brush has a total length of approx. 3.4 inches. The brush has a total length of approx. 3.4 inches. The brush consists of an adaptor and brush assembly, a nall, and a driver. Component lass capped end on front of wire protrusion. PSN 1005-690-8441. No security clearance required to obtain this APPI.

APPI No. WE-229. Frame Assy: Rear Sight P/N 7791015, a small arms part. This assembly is the frame for the sliding member which countles the operator of the M79 Grenade Lunnetter to set the required elevation for the weapon. Material is steel. Tolerances are not difficult to maintain, FSN 1010-439-6250-B056. No security clearance is required to obtain this APPI.

APPI No. WE-230. Variable Resistor & Switch Assy. P/N 779-1879, a small arms part. This liem is used on a machine gun mount and consists of appprox. thirty (30) parts. Approximately twenty (20) of the parts are standard shelf items such as screws, washers, pins, inserts, and wire. The non-standard parts are gears, arms, plate, springs, and support. Electrical components are a resistor and a wiring harness with schematic diagram. FSN 1005-073-9009. No security clearance required to obtain this APP1.

APPI No. WE-231. Tray Assembly. P/N 7794-028, a small arms part. This feed tray assembly permits ammunition to be fed to the 7.62MM Ma-chine Gun M73. The assembly consists of a fray, a bracket, 2 retainers, and 4 rivets and must be welded, riveled, stress relieved, carburized, quenched, and tempered. Material is steel. FSN 1005-690. 0322-A110. No security clearance required to ab-tain this APPI.

tain this APPI.

APPI NO. WE-232. Barrel w/Flash Suppressor.
P/N 11686344, a small arms part, A machine gun barrel used on the 50 Cal. M85 Machine Gun.
The gun is eapable of firing at sustained rates and the quality of sleel in the barrel and the dimensions of the barrel are critical. Talerances to be held are moderately difficult. FSN 1005-912-4123, No security clearance required to obtain this APPI.

APPI No. WE-233. Guard Hand Front. P/N

APPI No. WE-233. Guard Hand Front. P/N 5564245, a small arms part. This front hand guard is used on the Mi Rifle. The gunrd itself is made of wood and the ferrule and spader ure made of steel. Tolerances are not difficult to mulniain on this component. FSN 1005-556-4245. APPI No. Security clearance is required to obtain this APPI.

APPI No. WE-234. Guard. Hund Rear. P/N is used on the .30 Cal. M1 Rifle. The guard is good is made of wood; the band is made of steel. Tolerances are not difficult to hald. FSN 1005-554 this APP.

APPI No. WE-235. Stock Assy. P/N 6535467, a small arms part. This assembly consists of a wood stock, a steel ferrule, a screw, and a swivel and is used on the 30 Cul. MI Rifle. Tolerances are not difficult to hold. FSN 1005-653-5467. No seemity clemance is required to obtain this APPI.

security clearance is required to obtain this APPI. APPI No. WE-236. Selector. Rate, Cal. .30 Carbine M2 and M3. P/N 716838, a small arms part. This component is used to select between automatic, semi-automatic, or manual fire on the .30 Cal. Carbine, This selector is composed of a lody and a knob. The body requires heat-treatment and both require application of final finish. Some tolerances will be difficult to maintain. Material is of carbon steel. FSN 1005-716-1838. No security clearance is required to obtain this APPI.

APPI No. WE-237. Brush. Bore 7.62MM 20

APPI No. WE-237. Brish. Bore, 7.62MM 30 Cal. P/N 5564174, a small arms part. This is a wire brish used by the operator to clean the bore of the 30 Cal. or 7,62MM weapon. The brish has a maximum diameter of 0.335 inches and a pitch of 0.125 inches. The total length is 3.11 inches and the brish length is 2.06 inches. The brish has a tip with internal threads. A rod is screwed into these threads for landling by the operator. Weight is important. FSN 1005-556-4174. No security clearance is required to obtain this APPI. APPI No. WE-238. Sorbin. Operating Rod. P/N

security cleurance is required to obtain this APPI.

APPI No. WE-238. Spring, Operating Rod. P/N 6147568, a small arms part. This operating rod spring is used on the 30 Cal. MI Rifle. The operating rod is attached within the spring to provide for semi-automatic operation of the weapon. Moderately close tolerances are required on the wire illameter and spring diameter. The spring must be healt treated, quenched, and tempered. FSN 1005-614-7568. No security clearance required to obtain this APPI.

APPI No. WE-239, Tube: Gas Cylinder, P/N 5509079, a small arms part. This gas cylinder tube is used on the .30 Cul. M1918A2 Browning Automatic Rifle to return the gases from the barrel to the receiver to automatically operate the weapon. Overall tolerances are molerately close. Consideration must be given to erashit of certain areas by the hot gases of combustion. This component must be heat-treated, quenched, and tempered. FSN 1005-550-9079-A004. No security clearance is required to obtain this APP.

obtain this APP.

APPI No. WE-240. Lenf, Renr Sight Assy. P/N 7267936. a small arms part. This rear sight leaf asserably is used on the Cal., 50 heavy barrel machine gnn. M2. The sight is graduated in meters. The assembly consists of a leaf, click, a slide, a knoth, a screw, two plas, and a mit. This assembly should be capable of operating over a full travel same by finger pressure only. Tolerances are not difficult to maintain. Material is steel. FSN 1005-336-8608. No security clearance is required to obtain this APPI.

obtain this APPI.

APPI No. WE-241. Flash, Illiler. P/N 7162072, a small arms part. Tills emprenent is attached to the muzzle end of the Cal., 50 heavy barrel machine gun. M2 to help smother the flash. It is utached to the barrel by a nut and bolt. The hider censists of a cone, a ring, a segment, a nut, and a bolt. Material is steel. FSN 1005-716-2072. No security clearance is required to obtain this APPI.

APPI No. WE-242. Carrier, Aperture. Rear Sight, P/N 7791014, a small arms part. This aperture carrier is used on the reur sight assembly to measure elevation. It sildes up and down on the posts of the rear sight, (Item is applicable to Launcher Gronade 40MM, M79). This part is machined from an investment casting. A final protective finish is applied. FSN 1011-439-6249-B056. No security clearance is required to obtain this APPI.

APPI No. WE-208. (This item of APPI was previously published (6 December 1966) and is now cancelled.) Alming Circle, M2. An optical instrument consisting of a telescope mounted out a mechanism which permits unlimited azimuth and limited elevation movements and is used to measure angles from a base line. This complex fire control instrument is considered difficult to manufacture. No security clearance is required to obtain this APPI.

APPI No. AP-3R-3. Projectile, 175mm, HE, M417, MPTS is approx, 34" L consists of 4 components, Body, 34" L x 6.88" OD, parabolic shape with tapered base section, 5.5" max. 1D, tapered wall thickness, serrated totaling band sent, 2" ID nose literad, inaterial, steel, ASTM A273-58T sections 1-14, inc., for Hol Forge and heat-treat method, minimum mechanical properties for base section arc, YS 80,000 PSI, clongation 10% and for stdewall, YS 85,000 PSI clongation 12%, Rotating Band, hlank, 6,905" ID x 2.48" W x 48" wall thickness, inaterial, gliding metal, Class B, annealed, 5pec, MIL-B-20292, Obturating Band, 6.59" ID x .57" W x 255" wall thickness, material, polyamide modding plastic, composition A, type 1, Spec, MIL-M20693 and Base Cover, 4.18" DD x .0299" thick, material, steel, strip CR, temp 4, finish 1, ASTM A109, weided 360 degrees to base. Contrictor shall provide and maintain an effective quality assurance system in accordance with Spec, MIL-A-2550 and MIL-1-45208. Builistic test criteria required for acceptance of each lot. Firms bidding on this item

will require a highty competent technical staff of engineers, metallurgists, chemists and tool design engineers to design, fabricate and maintain precision tools required for mass production of this projectile. This projectile is considered very difficult to produce to applicable specifications. No security clearance required to receive APPI. AP, USA MUCDM.

cliffly clearance required to receive APPI. AP, USA MUCDM.

APPI No. AP-43R-1. Fuze, PI, BD, M530A1 Printer and Detonator Loaded is 1.963" Lx 1.350" D and consists of 44 different components, major components, Housing Rotor, 1.35" D x 1.44" L machined with various grooves, slots, bores, counterborcs and holes, material, aluminum alloy rod, temper T3, Spec, QQ-A-225/3. Rotor, 745" D x 7.16" L, various size holes, slots and counterborcs, material, brass rod, 1/2 hard, composition 24, Spec, QQ-B-2626, Shield (Blank), 1.25" D x 1.489" L x 1.05" ID with 1.65" web near end. material, aluminum alloy 615-74, Spec, MIL-A-12545. Insulator, Contact, "Cnp-Shaped" 22" DD x .192" ID x .30" L, material, thermoplastic, non-rigid polyamide resln, Type I, Spec, MIL-P-20693, Plate, Bearing (Rear), ppprox. 1.00" D x .028" thick with various radii, slots, holes and formed tabs, material, brass strip, composition 1, 1/4 hard, Spec, QQ-B-613. Plate, Bearing (Front), 762" W x .92" L x .028" thick with various radii, slots, holes and formed tabs, material, brass strip, composition 1, 1/4 hard, Spec, QQ-B-613. Leaf Number 3, .328" W x .475" L x .052" thick with various radii, holes and tabs, material, himininum alloy 2024, temper T3, Spec, QQ-A-250/4. Plunger Graze, 672" L x .253" D, material, stainless steel 303, contition A, Spec, QQ-S-763. Various small components required such as muts, pins, screws, roll pins, springs, washers, spacers bushings, contacts, studs, clips, star wheel pallet and a bleeder resistor. Complete assembly is subject to arming and non-arming acceleration tests, graze and armor plate functioning, environmental conditioning and safety tests. Flrms producing this item will require a technical stuff of engineers, metallurgists and tool engineers to design and maintain an effective quality assurance system. This item is considered very difficult to produce in accordance with applicable specifications. No security clearance required to receive APPI. AP USA MUCDM.

tions. No seenrity clearance required to receive APPI. AP USA MUCDM.

APPI No, AP-63R-1. Projectile, TP-T, 152mm, XM411, MPTS is 15.07" L x 5.995" in diameter. It consists of 4 parts and 1 sub-assembly as follows. Body and Band Assembly, the body is 30.02" L x 5.993" in diameter with sidewall thickness of .418", 15.993" in diameter with sidewall thickness of .418", 16.933" D. Body material is, alloy steel for for ging ASTM, Specification A274 in steel alloy, hot-rolled bat, ASTM, Specification A28" w x .252" thick materials is sintered fron, Class 4, Specification MIL-R-11073, Spike, length 6.05", large diameter is 5.38" with neck reduced to .2745" OD and formed eavity 4.916" D x 1.81" ID. There is a 5-1/2-12UN-2A thread on the large end, 5-1/4-12UN-2A thread on the shoulder and a 200-UNS-1B Internal thread at open end of cavity, material is alminimm alloy, Bar or Rod, ASTM, Specification B221 or B211, Windshield, a tapered cone 8.93" L with large D of 5.99" and small D of 1.206" with wall hickness of .125" material, steel, special bar, quality, Specification ASTM-A-107 or carbon steel, specification OQ-S-535, Plate, approximalety thread on outer diameter, two 1/4" work holes 2.87" apart drilled to 3/16" D on one face, material, steel, bar, special quality, ASTM, Specification Q-S-635, Adapter, Tracer, 3.000" D with step out to 2.247" D x 1.18" thick, eavity in center, 770", work holes 5/16" D x 7/32" D, spaced 2.00" apart, work holes 5/16" D x 7/32" D, spaced 2.00" apart,

to 2.247" D x 1.18" thick, eavity in center, .770".

D x .927" D, 2.3/8-16UN-2A lhread on step D, 2 work holes 5/16" D x 7/32" D, spaced 2.00" apart, material, aluminum alloy, bar of rod, ASTM, Specification B211 or B221 or aluminum alloy forging, ASTM, Specification B247, protective finish, Finish Number 7.2.1 of MIL-STD-171, dechromate seal in accordance with Table III of Specification MIL-A-8625. This projectile assembly is difficult to manufacture due to tight tolerances and concentricities required. Firms bidding this item must have a staff of metallurgists, and chemical engineers and tool designers to fabricate this projectile to meet Government Specifications. No scentity elearance required to receive APPI, APUSAMUCOM.

ance required to receive APPI, APUSAMUCOM. APPI No. AP-64R-1. Cartridge, 152mm, Heat-T-MP-XM499Ei consists of (8) major components. Body 5.99" D x 10" L x 5.1" ID x 7.87" D, smaller base 2.375" D x 5.74" counterbase 1.19" D threaded 1 and 0D cach end, Band groove on outside material, steel, forging AISI 52100 steel 1.00% minimum carbon. Ring Locking 5.5" D x 1.5" L x 4.7" ID. Threaded on outside D, material, steel, tubling seamless, specification QQ-T-830 or steel tubling FS-1055. Adapter Fixe 3" D x 1.178 length, counter, thread one end 2.375" thread opposite end material aluminum alloy 7075-T6 specification

QQ-A-277. Windshield 5.99" D tapered to approximately 2" D at small end by 6.5" L with approximately 3/16" wat thickness, material steet. Cap, Windshield 2.26" D tapered to 1.225" opposite x 1.947 length counterbases in inside diameter, material aluminum alloy 7075-T6 specification QQ-A-277 liner, smooth 60 degree approximately 5.4" D x .175" wall thickness x 4.421" length copper sheet specification QQ-C-576, rotating Band-Blank 6.033" 1D x .828" length with .252" linck wall. Material, sintered iron class 2 specification MIL-R-11073, Ring, locking, 3.83" D x .31" length x 3.25" 1D thrended inside. Material, aluminum alloy 2024-T4 tubing specification WW-T-785 spacer 2.375" diameter x .36 thick thrended OD, material atuminum alloy, 7075-T6, specification QQ-A-277, Complete assembly also consists of smaller components. Dummy fitze, insulators, when and eyelet to produce to meet applicable specifications. No clear-ance required to receive APP1. APUSAMUCOM.

APPI No, AP-65R-1 Case, Cartridge, 152mm,

duce to meet applicable specifications. No clearance required to receive APPI. APUSAMUCOM.

APPI No. AP-65R-1 Case, Cartridge, 152mm, XM157 - parts for consisting of two parts, (1) body and (2) base. Both parts are made of a rigid, molded composition consisting of nitrocellulose, Kraft (Sulfate) Woodpulp Cellulose and resin with a no residue characteristic upon ballistic firing and stability, tensile strength, weight, density and workmanship requirements as indicated in Specification PA-PD-2616 w/EO 38602-8. Body is of cylindrical, expanding, tapered shape of .125° wall thickness from an open end of 5.9° OD to 6.45° with subsequent step down curvature to an opening of 3.265°. Side wall may be made in one or more sections parallel to the datum D only, Base curvature and .175° wall thickness with .68° side wall height with an internal center holiow hub of .712° ID and .96° high opening, with .40° hole in top of hub. Firms bidding on this ltem should have a technical staff familiar with molded knaft fiber and explosive processing. This item is not considered difficult to manufacture to applicable specifications. No security clearance required to receive APPI. APUSAMUCOM.

APPI No. AP-77R-1. Fuze, PD, M525, Less Head Assenbly. MPTS consiste of 13°

fications. No security clearance required to receive APP1. APUSAMUCOM.

APP1 No. AP.77R.1. Fuze, PD, M525, Less Head Assembly, MPTS consists of 13 components, the major components are Body, truncated cone, 1.77°, L. max OD of 1,93°, 1-1/2. 12 thread on the ontside of the base with a 1-1/8. 20 thread in the nose, various holes, bores, counterbores and threads, material, aluminum alloy rod, T4, ASTM B211 or 2011, T3, ASTM B211, alternative material, aluminum alloy, permanent mold, casting, allowinum alloy, permanent mold, casting, niloy, SC 64D, ASTM B108, Pin, Safety, 1,55° L, shank D of 198°, 343° head D, material, brass tod, ASTM 616, alternate material, for inpset or cold findshed, ASTM 616, alternate material, for inpset or cold findshed, ASTM 616, alternate and crial, steel, bar, cold findshed, 1117, 1212 1213, ASTM A108, Cup, Booster, 83° L, 1,128° DD, wall thickness varles from 110 to 0,64°, 1-1/8 - 20 thread on OD for approximately 225° at top of cup, material, aluminum alloy die casting, Composition S12B, S12A, or SC 84A, ASTM B85, alternate material, aluminum alloy sheet, 1100, 3003, or 5052, ASTM B209, Silder, 82° L, 462° in D, varlous slots, holes, material, aluminum alloy fod, ASTM B211, smaller components consist of three helical springs, two plugs, a pin, and a safety wire, This item is considered difficult to produce in accordance with the applicable specifications. No security clearance required to receive APP1, APU-SAMUCOM.

APPI No, AP-79R-1, Mine, AP, M26, Body Is

scornity clearance required to receive APPI. APUSAMUCOM.

APPI No. AP-79R-1, Mine, AP, M26, Body Is made of five aluminum die casting alloy number 380 in Federal specification QQ-A-591. The body casting is circular and is three incluse in D and approximately six inches H with a 1/8" cross section. Two diameters on the internal surface are required to be bored to maintain close tolerance. There are two castings which assemble into the body, one is used as cost, the barrel, which is approximately 2 1/2" in D and 2", the other is about 2" in D and requires assembly of a die cast lever, a spring and an explosive unit (detay detonator) purchased from Olin Mathieson at East Allon, Illinols. Two additional die castings: 3" and 2" in D and 1/2" H with a small steel screw machine part which is threaded on one end and convex on the other, with a small and a large "O" ring (commercially procured) are assembled together with a spring steel fastener. The body and cover castings are required to pass a leak test. The two internal castings, the cover assembly and a plastic separator are assembled into the body for shipment. Shipment requires fiber containers for three units and a wooden box which takes six fiber containers. In order to manufacture this item, a producer must be capable of fabricating intricate aluminum die castings and have some machining facilities. He must have a competent staff of engineers, tool and die makers and metallurgists. This item is considered very difficult to produce to applicable specifications and drawings. Confidential cleirrance required to receive APPI. APUSAMU.

APPT No AP-59R-t. Projectile, 60mm Mortar, 22/A2FT is a pearlitic malleable iron casting Class with Specification MIL-C-46971. Approximately 11 and cutcular in a teardop shape with a maximum D12 of 2 3/87 with a 3001 tolerance, and a more in D at one end of approximately 17 with 1000 tolerance. Both ends of the body are Intreading the end of 12-3/3-3/4/EFF-2B and the other end t.5-12. NS 1-18. The wall thiskness average approximately an accurate in the continuous average approximately an accurate in the continuous 4-600 PSI, at less at 150 PSI, a magnetic particle inspection and radio-tast a magnetic fire protective finish is olive daily not entire extertor (9 to 1.5 min liftickness) and a type of acid proof black paint on the instance.

and print on the exterior (9 to LS mil linckness) and a type of acid proof black paint on the interior.

APPL No. AP-100R-t. Projectile, 60mm Morlar, 111, M-143 is 10 10° L x 2.364° at the point of rate. D. He nem consists of a tail assembly, a tast take accembly. The illuminant loading assembly and parachete accembly. The illuminant is loaded into the body foliage and includes sodium nitrate, I mate, and majoresium This is ignited by a first line condition and majoresium this is consolided in a hosboard is suspended from a parachete in tajon dischard in suspended from a parachete in tajon dischard in loading assembles in tajon dischard in the first time included in loading assembles the first consists of the fare tentes the first, fire composition and it turn accepts the first, fire composition and it turn contest the filluminant. No security desired the fare tentes the first, fire composition and it turn contest the filluminant. No security desired to the accepts a sembly consists of approx. 149 normalized the fare tentes the first, fire composition and a turn contest the first, fire composition and the first accepts a sembly consists of approx. 149 normalized the fare tentes threads, holes and slots, material trans. Spec. MIL-B-13351 nr. OQ-N-35. Ring, load, 1737 flox 27 L with 1-15716° 24 linead in Oli with table 24 slots one side, material, aluminant 2024-T4. Spec. OQ-A-267 or OQ-A-268 or aluminum decasticity spec. OQ-A-268 or aluminum decasticity, spec. OQ-A-391 Housing, 1.884° D x 1.625° L x 1.61° consistence end, material, stainless and 15 thread mixed one end, material, st

stated 4th Space QUS-763. No security clearance trequired to receive APPL APU-SAMUCOM.

APPL No. AP-167. Projectile, 105mm, Smoke, M. 10 MBTS consisting of three major parts, Body, 14 65° t. v. 4 128° D. tagered nose and base. Nose 12.1 coremaky threaded to a depth of 1.417°, approx 3° up from base is machined and knutled for testing band parbola shaped with varying will thinkness. Material, hot forge, carbon steel, hot to bed, some timeded forging quality, non-resulphurized, symmetrial hot cup cold draw, carl, 6 ramp, nonresulphurized, specification MIL-S-1030°, or specification MIL-S-11310 for cold terming. Adapter, 3 79° L. varying diameters from 2.4550°, one end to 1.67°, interior and exterior machined in viting value, but 1.67°, interior and exterior machined in viting value, but 1.67°, interior and exterior machined in viting value, but specification Alos, Blank Betaing Brand, 4.155° ID x. 865° II with 201° and E. skiness. Material: wintered iron, class 4, 10 c. 650° and thickness, may also be used with 10 distributed band groove on the body. Adapter of the 10 distributed band groove on the body. Adapter of the 10 distributed and braned 360 degrees. Robing bard, dear and exterior and machined. Other fails of the politic date cap and VCI paper. This gen is considered very difficult to produce. No country clearance required to receive APPI. APU-

APPI Na. AP-169. Burster Casing M5 Assemto MP15 for Projectide 105mm, M60 Smoke. A me piece design, approx. 13" L. 1.005" D to 1.1/2" to adapter end, 19, 917; will blickness of tube, two seec design, casing 12 005" L. 955" OD, wall thickness of sube, and of tube, two seec design, casing 12 005" L. 955" OD, wall thickness of use. The end, 997" ID at other chined midway 360 degrees reals: steel carbon plate, leel, sheet and strip speciplorary of the end of the

sis, metallurgists and and produce in ac-trance specifications. I to receive APPI.

from .0699 to .0455" at month. Machine cylindrically if necessary between D limits to blend with taper. Protective finish, finish number 7.2.1 of ML-STD-171. Dichroniate seal in accordance with Table III of Specification MIL-A-8625. Manufacturing firms bidding this item require a highly competent technical staff of engineers, metallurgists and tool design engineers to design, fabricate, and maintain precision tools for mass production of this item. This carridge case is considered very difficult to produce to applicable specification. No security ctearance required to receive APPI. APUSAMU-COM.

design engineers.

precision lools for mass production of mission profice to applicable specification. No security clearance required to receive APPI. APUSAMU-COM.

APPI No. AP-III. Fuze, PD, M524A5, MPTS is 6.01" Lx 2.408" max OD contains 64 cumponents. Major assemblles and components (components day of striker Assembly consisting of 11 components containing Body, trusted come of 12 components of 12 components and 12 components of 12 components, where of 12 components, where pull approx. 2 components, where, pull approx. 2 components, where a components, component

difficult to manufacture. No security clearance required to receive APPI. APUSAMUCOM.

APPI No. AP-112. Projectile, 155mm, M110 MP TS. consists of Body, Adapter, and Rotating Band. Body 22.84" L x 6.092" D nose section approx. II. 125" L lapered from 6" to 2.84" at nose end. Body or 11.25" L lapered from 5.62" to approx. II. Rotating band growe on outside diameter near steel. Carbon ASTM-A-273 for hot forge, or M11. S-10520 for hot cup cold draw or M11.5-11310 for cold extrusion Mechanical Properties minimum Adapter 3.76" L x 2.84 D tapered on bottle ends ASTM-107 or ASTM-108. Rotating Band Gnilding hand outside thread. Material sixel, Carbon inside and outside thread. Material sixel, Carbon inside diameter x 1.07" W. Surged on body and brazed into nose end. Must withstand 100 PSI incomplete assembly is phosphate coated and palnied wooden pallet for shipment. This item is considered wooden pallet for shipment. This item is considered in procure according to applicable required to ve APPI.

APPI No. FA-50. Boxes Metal M19Al: Reusable to the follower have himself covers, sealed by mean of a mibber gasket, are constructed of metal and or a filiber gasket, are constructed of metal an inself for the packaging and protection of Small Callber Ammunithm. Clearance is not required to the APPL Quantity planned for FY-67 procurements 642000. Delivery schedule is 150000 per mon beginning four months after award of the confiae No Government Furnished Property is expected to used. Government strawings and specification will be available with the solicitation.

will be available with the sufficitation.

APPI No. FA-51. Thruster, M13: A device consisting of a gas-operated firling mechanism cartridge chamber amit piston white perhaary purpose is a impart a thrust in a known load or pose a logoto a given travel. This tem is considered a highly complex precision device, it is clossed as an hazadous item. The device is subject to rigid sulery control during the course of minimfacture. Drawing and specifications for the item will be available at the time of sulfethation. Projected quantity is 350 devices - required delivery being nhe month after the date of award of the device. No security clearance is required to receive the APPI. Then is no Government Furnished Property requirements or Technical Mannai requirements connected with the procurement of this item.

APPI No. FA-52. Metallic Belt Link M1 for

APPI No. FA-52, Metallic Belt Link MI for Callber 30: Links are made of steel, stamped lo size, heal-treated, mo-plece conflightation, treated to prevent rist and subject to functional tests lo assure satisfactory machine min feeding. Quantity The planner! procurement planner it is 88343000. The delivery schedule is 100000000 per month - lirst lelivery being 120 days after the date of nward of the contract. No clearance is required to receive the APPI.

APPI No. MI-79. Malu Sustan M30A2 Motor with access to the CILE. Approximate weight But the process of the CILE. Approximate weight But the process of the CILE. Approximate weight But the process of the central with the process of the central with the central w

APPI No. MI-63RI COLLIE ON OF APPI, High Poor Acquis hard leader can having improvements in basin to a ping improvements in basin to a ping a ping a ping of the comber 1966 Issue of Control of Basines of Control of Contr

APPI No. ME-49R2. Detecting Set, Mine, Annal Indication, 10 volt, direct current, metallic, portable, transistorized, with case. In accompance with ML-D-23359, which is classified confidential, No security clearance required to obtain APPI. FSN 6665-684-2659. USAMEC.

security clearance required to obtain APPI, FSN 6665-684-2659. USAMEC.

APPI No. ME-45R2. Air Conditioner, 18000 BTU/HR, Base mainted, self cominined, compact lightweight, air cooled. The refrigeration system shall be no lightweight to the control of the contro

APPI No. ME-56RI, CANCELLATION OF APPI APPI No. ME-56RI, Heater, Direct Type, Portable, published previously in the 7 June 1966 issue of Commerce Business Daily, is hereby cancelled by USAMEC.

APPI No. ME-74. CANCELLATION OF APPI. APPI No. ME-74. Detecting Set. Mine, Porishie, Microwave, 16 voll D. C. Operaling Power, with carrying case, published previously in the 1 March 1966 issue of Commerce Business Darly, is hereby cancelled by USAMEC.

APPI No. ME-103RI. Detecting Set, Mine: Track Mounled; Aural and Visinal inflication; 24 voll. DC operning power. Detecting set shall consist of a name detector mounted in a 1/4 ton track. Assembly; a carriage hox assembly containing lie connerbalance assembly; bydimile assembly; home, and counterbalance assembly; bydimile assembly; bydimile control panel assembly; electronic hox assembly; and inflicator panel assembly. The mine detector shall be mounted on a government further than the conforming longitude of the lon

use over all types of terrain, streams, and salt water benches for the location of limited metallic antifank and antipersonnel land mines. In accord-aice with MIL-0-5t162 and Dwg No. DLI3200E 0150. FSN 6665-678-2439, No security clearance re-quired to obtain APPI, USAMEC.

olso. FSN 6665-678-2439. No security cleanance required to obtain APPI. USAMEC.

APPI No. ME-114. Heater, Duct Type, Portable: A gasoline hurning, self-contained, ground portable heater, trailer miniment, having a nominist incontinuinated warm air output of 400,000 BTUJ. IIR as a discharge temperature of 280 degree F, at an ambient temperature of minis 65 degree F, with automatic temperature of minis 65 degree F, with automatic temperature control, which operates as an entirely self-contained heater using a gasoline engine operation of the power package. The government shall funds in military design t 1/2 HP. 4 cycle, gasoline engine (FSN 2805-714-8552, Mindel Number (Albelt) and a heating trich, gasoline burning, 15.1000 in 50,000 BTU output (FSN 4904-75-1574, MIL-11-52 t12). The heater shall consist of the following companions: burner assembly, combusion thamber, heat exchange, all system, internal acressories, and external accessories. A type MA-tabler conforming to MIL-T-4608 shall be provided, llenter assembly is fully inclosed in a lightweight, substantially constructed metal enhinet or cabinets, which shall testst weather conditions. Overall dimensions approx, 20 1/2 inches while, 49 1/2 inches in length and 26 inches in height. The dry weight of the heater with power package shall mit exceed 280 pounds. The heater is intended primarily fin use in ground heating alteraft engines and fixenages, and secondarily, for use in ground heating minimenance shelters, portable hangars, and other shullar inclustures. In accordance with MIL-H-4607A. FSN 4520-915-7789, No secunity clearance required to obtain APPI, USAMEC.

APPI No. AV-163, Generator, 30 Volt, Direct Current, Aireraft engine diven, Type GEU-5A in

APPI No. AV-163. Generator. 30 Volt. Direct Current, Aircialt engine driven, Type GEU-5A in accordance with MIL-G-6162, Appl. UH-1 Aircraft. This is a QPL item. Interested concerns should contact Bureau of Naval Weapons, Washington, D. C., in order to have their product tested and qualified prior to solicitation. QPL No. 6162-14, FSN 6115-725-1790. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-164. Cup, Lock, Bearing Retaining power turbine. In accordance with Procurement Puckage 1-140-062-01. Appl., UH-1 Aircraft. This solicitation will be 100% set-ashle for small business concerns. FSN 2840-587-7089. No clearance required to obtain APPI. USAAVCOM.

concerns. FSN 2840-587-7089. No clearance required to obtain APPI. USAAVCOM.

APPI No. 165. Glare Shield, Instrument Panel. Assembly includes aluminum alloy honeycomb, aluminum sheeting covered with fiberglass cloth, Type VIII, and wiring assembly. APPI., UH-1 Aircraft. FSN 1560-075-3385. No clearance required to receive APPI. USAAVCOM.

APPI No. 166. Panel. Protection, Electrical System, inclosed heimetically, molded plastic inclosure, aluminum panel, components, major components mounted on panel. Tepro Electric Corp., resistor, fixed, wirewound, Type No. T3 2W. 130 ohms, 1 pct. Raytheon Mfg., Scmiconductor Device, Oiode, Part No. CK843, Bourns Laboratories, resistor, variable, Part No. Bourns 160-1-201, Iron Fireman Mfg., Relay, Armature, Part No, R400-2-AY-500, O/A dfm., 2.40 in., H., 2.70 in., W., 3.05 in. deep, froor mounted in accordance with Lear Sieglar P/N 50178-002, or Sundstrand Corp. P/N 26883 unily. FSN 6110-838-0453, No clearance required to obtain APPI. USAAVCOM.

APPI No. 167. Pnmp, Hydraulic, variable delivery. APPI., UH-1 Aircraft, Vickers, Div of 19erty Rand P/N PVB044-2 or Bell Helicopter Co. P/N 204-076-006-1 is only identification available. FSN 1650-872-8798, No clearance required to evive APPI. USAAVCOM.

APPI No. AV-168. Lap Belt, Pilot and Co-Pilot. Appl. UH-1 Alrcraft. Aerial Machine Corp. P/N

APPI No. AV-168. Lap Belt, Pilot and Co-Pilot, Appl., UH-1 Alreraft. Aerial Machine Corp. P/N SK8200, Atchlson Leather Co. P/N 112662 and Belf Helicopter Co. P/N 205-070-749-1 is only identification available. FSN 1680-967-1831. No clearance required to receive APPI, USAAVCOM.

APPI No. AV-169. Shipping and storage container for UH-1B main rotor blades. In accordance with AVCOM Procurement Package No. 540-011-001-MUSC. This Procurement will be a 100 set-vide for small business concerns. FSN 8115-919-0176. No clearance required to receive this APPI, USA AVCOM.

No clearance required to receive this AFFI. USA AVCOM.

APPI No. EL-138. Test Set, Radar AN/UPM-98A. A transportable test equipment designed to provide specialized facilities for performing maintenince, tests, and calibration adjustments on IFF interrogators, iransponders, video coders, decoders, and associated radar video distribution systems, and associated radar video distribution systems, and associated radar video distribution systems, and arguments with the Improved DOD-AIMS standards. No security clearance required to obtain APPI, USAECOM.

APPI No. EL-139, RF Signal Generator Set AN/URM-25. This is a portable, general purpose radio frequency generator designed for field use in the general maintenance of electronic equipment, it is used to test the sensitivity, selectivity, and audio response of receivers, to align RF and IF stages, and to provide a signal which can be used when mensuring receiver gain and output power. No security clearance required to obtain APPI, USA-FCOM.

APPI No. EL-140. Generator Signal AN/URM-64. The test set provides accurately pulse modulated and continuous wave radio frequency signals from 960 to 2100 mcs for testing radio and radar receivers and other electronic equipment when such issage requires less than 0.8 milliwatts of rf power. Functionally, elect and mech interchangeable with AN/URM-64. Oiffers in substitution of new 3 wire pwr Cable Assembly, Power, Electrical CX-3135/U (6 feet 0 in.). No security clearance required to obtain APPI, USAECOM.

APPI No. EL-141, Generator, Signal AN/URM-70. Provides a test signal for servicing FM receivers in the 50 to 400 mc frequency range. No security clearance required to obtain APPI.

APPI No, EL-142, Rapid Interference Measuring Set AN/URM-85. For making quantitative measurements of radiated or conducted broad-band or carrier radio frequency interference over the frequency range from 150 kc to 1000 mc. No security clearance required to obtain APPI.

APPI No, EL-143, Test Set, Radio AN/URM-113. A special lest set designed to test plug-in units in various radio sets. No security clearance required to obtain APPI. USAECOM.

APPI No, EL-144. Generator, Survey AN/URM-

APPI No. EL-144. Generator, Signal AN/URM-127. Generates audio, supersonic and low radio frequencies within the range of 20 to 200,000 cycles per second. Used as a general test oscillator in the field for free point servicing of various radio equip-ments. Similar to, but, not interchangeable with Audio Oscillator TS:382F/U. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-145. Generator, Signal AN/URM-149. Provides a radio frequency signal for the pur-pose of aligning Radio Sets in the frequency range of 600 mc to 1850 mc. No security clearance re-quired to obtain APPI. USAECOM.

APPI No. EL-146. Test Harness, Radio Set AN/
URM-157. Provides interconnecting facilities for
the components of the Radio Set AN/ARC-102 and
Radio Set AN/MRC-95 and associated equipment
(Antenna Couplers) white under test. Controls the
power to the AN/ARC-102 and AN/MRC-95 during
test. No security clearance required to obtain APPI.
USAECOM.

APPI No. EL-147. Test Set. Electronic Circuit Plure-in Unit AN/URM-159. Provides testing facilities for the AN/TYA-19 and AN/SRC-23(V) radio frequency modules. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-148. Oscilloscope - AN/USM-182.
A general purpose laboratory type oscilloscope designed to permit observation of a wide variety of signals by the use of Plug-In Amplifors. No security clearance required to obtain APPI, USAECOM.

signats by the use of ring-in ampiners. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-149. Electronic Rotary B1ade to indicate and measure out-of rack conditions of the blade tracker, are the Magnetic Phase Oetector DT-291()/USM-188, P/N 1332-300-1, a magnetic preking unit which supplies RPM and sequencing data to the computer, rotary blade displacement; the detector rotary blade displacement the detector rotary blade displacement of the detector of the detector rotary blade displacement DT-290()/USM-188, P/N 1335-100, containing the optics and circuitry necessary to detect the exact time of intersection of each blade with two light beams; and the Computer, Rotary Blade Displacement CP-767/USM-188, P/N 5337-200, containing all controls necessary to operation and read-out of input data required for blade adjustment. Connection of each to the other is accomplished with appropriate cables. No security clearance required to obtain APPI. No. EL-150. Indicator, Channel Alignment

APPI USAECOM.

APPI No. EL-150. Indicator, Channel Alignment ID-292 PRC-6. A specialized multimeter used for measuring significant circuit voltages and currents in Radio Set AN/PRC-61. Voltage for operation /re obtained from the radio set battery through the input cable which terminates in a plug that mates with the test jack in the radio set. No security clearance required to obtain APPI. USAECOM.

ty clearance required to obtain APPI. USAFCOM.

APPI No. EL-151. Radiaemeter 1M-9E/PO. Measures and indicates accumulated dose of X and gamma radiation which wearer has been expused. One end of radiaemeter an optical eyepiece and other end is charging contact. Contains ionization chamber into which is mounted small electrometer. Scale calibrated in millirocengens is mounted in exposed since charging of electrometer can be read directly by holding radiaemeter to light and looking into eye-piece. Radiae delector charger is required to charge electrometer. No security clearance required to obtain APPI. USAFCOM.

APPI No. EL-152. Radiaemeter 1M-93A/UD. For

APPI No. EL-152. Radiacmeter 1M-93A/UD. For APPI No. EL-152. Radiacmeter IM-93A/UD. For detection and measurement of radiation. Indicates the accumulated amount of radiation to which the bearer has been exposed. No security clearance required to obtain APPI. USAECOM.

APPI No. AT-79R1. Engine Multi-Fuel W/Container. This Ord 5702723 (Ord 5702683) engine assembly was originally released in August. 1966. Provision of this revision is adjustment of quantiles. FSN 2815-911-3645. No clearance required to obtain APPI. USATAC.

APPI No. AT-120. Transmissian Assembly. Cross-Drive CD-550-6A with Metal Remarks. Container. This Oral 570310t assembly is a major component of the power train for tracked vehicles and has the following characteristics (at for use with engines of 501 to 850 gross horsepower (b) combination transmission and steering unit for tracked vehicles (c) brakes are fool operated (d) spred ranges and steering hydrautically controlled (e) mounts crosswise in which and drives tracks brough output shaft flanges. Assembly consists of: (a) Transmission Cross-Drive trig 8355830 (b) Comainer Ord 8723296. SNI. APPI-Multiple FSN 1520-086-7792. No clearance required to obtain APPI, USATAC.

APPI. USATAC.

APPI No. AT-121. Cylinder Assembty, Hydranic Brake Wheet. The Old 7324707 cylinder assembly is a major component of the service brake system for the 1/4 ton 4x4 series trucks. This assembly consists of the following components: (a) cast body the bleeder screw assembly (c) rubber end bolts (d) aluminum pisions (e) rubber pision cups (f) tenur spring. SNL APP Multiple, FSN 2530-918-0607. No clearance required to obtain APPI. USA-TAC.

TAC.

APPI No. AT-122. Starter Assembly, Engine Flectrical. The Ord 10951134 starter assembly is a 24 volt engine mounted component of the Continental LD 427, 6 cylinder multifuel engine. This assembly is waterproof and consists of the following components: (a) cover (b) case (c) commutator head (d) drive housing (e) armature (f) field coils (g) Bendix drive (h) antifriction bearings (i) continents of the continents of the continents of the coils (g) FSN 2920-763-2346. No clearance required to obtain APPI. USATAC.

APPI No. AT-123. Starter, Assembly, Engine

APPI No. AT-123, Statter Assembly, Engine Electricat. The Ord 11088581 statter assembly is a 24 volt engine muunied component of the GMC Model 302, 6 cylinder gasoline engine. This assembly is waterproof and consists of the following components: (a) cover (b) case (c) commutation tread (d) drive housing (e) armature (f) field coils (g) Bendix drive (h) antifriction bearings (i) controls (j) common hardware, SNL APP G749 (A-1, FSN 2920-529-8460. No clearance required to obtain APPI, USATAC.

tain APPI, USATAC.

APPI No. AT-124. Generator, Engine Electrical. The Ord 10889998 generator is a major component of the electrical system for a V12, 4 cycle, air conled, Model AVSI-1790 gasoline engine. This generator assembly is a 28 volt, 300 AMP, gear driven alteraft type consisting of following components: (a) drive gear (b) armature (c) field coils (d) communitator head assembly (e) steel shell (f) antifriction fittings. SNL APP G298. FSN 2920-830-1293. Ni clearance required to obtain APPI. USATAC.

APPI No. AT-125. Engine Assembly W/Containt-

clearance required to obtain APPI. USATAC.

APPI No. AT-125. Engine Assembly W/Container. The Oild 5702670 engine assembly is a major
component of the power pack for a tracked vehicle.
This engine assembly has the following characterstitics: (a) Model-AVDS-1790-2A (b) type-90 degree
V-type nir cooted (c) 12 cylinders (d) bore-5.75 in
(e) stroke-5.75 in (f) compression ratio-16.1 (g)
MGS-2400 RPM (h) BHG-750 at 2400 RPM (i)
MGT-1710 FT-1.B at 1800 RPM (j) compression
ignition. SNI. APP-Mulliple. FSN 2815-836-9005;
2815-064-6270; 2815-856-4996; 2815-679-4963. No
clearance required to obtain APPI. USATAC.

APPI No AT-126. Final Drive Assembly. Lel

clearance required to obtain APPI. USATAC.

APPI No.AT-126. Final Drive Assembly, Lel and Right. The Ord 10864059 final drive assembl is a major component of the power Irain to tracked vehicle. This assembly consists of following components: (a) case (b) gear set final driv (c) roller bearings (d) spaces (e) carrier (f) outer seal ring (g) oil seals (h) outer bearing cap (i) output shaft (j) input shaft (k) common hardware. SNL APP-Multiple, FSN 2520-678-4164. No clearance required to obtain APPI. USATAC.

APPI No. WE-243. Buffer Assembly P/N 110

sint. App. Multiple, PSN 2320-068-4104. No clearance required to obtain APPI. USATAC.

APPI No. WE-243. Buffer Assembly P/N 110
10518, a small arms part. Assembly consists of at least 11 components parts. Certain requirements and tests exist during assembly. Supplier should have adequate machining facilities, Physical properties exist on components. FSN 1005-908-414-A11B. No Security Clearance is required to obtain this APPI. USAWECOM.

APPI No. WE-244, Swah, Cotton, Gim Cleaning. P/N 5019316, a small arms part to be used on Cal. 30 and 7.62 MM Rife and Machine Guns. Material to be used will be unbleached clean cotton cloth. Dimensions 2 9/16 inches square. Other physical requirements exist. No Security Clearance required to obtain this APPI. FSN 1005-288-3565-A10I, USAWECOM.

APPI No. WE-245. Swab, Small Arms Cleaning:

APPI No. WE-245. Swab, Small Arms Cleaning: 5.56MM, M16 and M16EI, a small arms part. P/N 11686408. Material, cotton, cloth, natural color, I 3/8 inches square. Other Physical requirements exist, FSN 1005-912-4248. No Security Clearance is required to obtain this APPI. USAWECOM.

APPI No. WE-246. Carrier Assy. Barrel, pertains to Col. 50 Machine Gun. P/N C\$504080, a small arms part. This assembly consists of numerous parts. Machining parts and physical properties required on components. FSN 1005-550-4080, No Security Clearance is required to obtain this APPI. USAWECOM.

APPt Nn. WE.247, Covet, Canvas Overall, MI20.

P.N. F7134630. This is a canvas cover for a 155
MM Gon, Alanufacture must be in necordance with
MH.-C-10632. Assembly regulations exist. FSN
ha25-711-4630-C039. Nn Security Clearance is resmeed to obtain this APPL USAWECOM.

APPL Nn. WE.248. Handle Assy, Rod Cleaning.
P/N C7266115, a small arms part. This assembly
condits of a swivel, handle and 2 pins. Machining
ord physical properties exist on component parts.
FSN 1605-793-6761. No Security Clearance is repured to obtain this APPL USAWECOM,
APPL Nn. WE-249. Pin. Fitting. P/N D6008879.

APPL No. WE-249. Pin, Firing, P/N D6008879, a small arms part. A machined part made of steel, leat treatment required and also final protective founds required. ESN 1605-600-8879. No Security Clearance is required to obtain this APPL USA-WECTM

APPI No. WE-250. Holster, Hip for .45 Cal. MI911A1 Pistul. P./N 7791466, a small arms part. Comosting of several compounts parts. Made of the deather that will not rith off. FSN 1095-592-19491. No Security Clearance is required for this APPI. USAWECOM.

#### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, III.) issue, dated March 7,1967 page 2 No. PSA 3778 except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column I first three paragraphs.

APPI No. AT-127, Stand, Maintenance, Automative Figure The ORD 7950189 stand assembly is used to support an engine during rebuild or repair operations. This stand assembly has following basic characteristics: (a) caster mounted (b) floor leck assembly (c) 2600 ft miled capacity (d) for in, wide, 4s in, high, extensible to 110 ir, long tel accommodates in-line engine. Basic materials are used pipe, fittings, plates and common hardware SNL APP, Multiple, FSN 4010-795-0189, No cleanance required to obtain APPI, USATAC, APPI No. AT-128, Monnting KO MId Biffe The

cleatance required to ribtain APPI. USATAC.

APPI No. AT-128. Monnting Kit M14 Rifle. The ORD 8712407 kit acception is used for mounting the M14 rifle in an optight accessible position in the divers compariment of military wheeled verticles. The acceptance of following components (at brackets (b) spacers (c) catch assembly its recrimenment (e) common hardware. SNL APP. Molitople LNN 2596045-9611. No cleatance required to pharm APPI. USATAC.

APPI No. AT.120 lines Tube Discovering Tital

APPI No. AT-129. Inner Tube Pneumatic Tire, Truck & Bas, 9-00cM. The MS-35,092-13 inner tube is a major component of the traction system for following characteristics: (a) size 9,00x20 (b) type Tik & flux ici valve TR-175A. SNL APP-Multiple-TSN 2610-20-7181. Nu clearance required to obtain APPI USATAC.

APPI USATAC.

APPI No. AT 130. Brake Cylinder Wheel. The ORD 87(1473) cylinder assembly is a major component of the brake system for a 12 ton cargo litaler. This assembly has following components: (a) air chamber (b) diaphragm (c) springs (d) pushing (c) seals (f) yoke (g) common hardware, SNL APP (G75) BB M127A1C. FSN 2530-678-3332. No clearance required to jubtim APPI. USATAC.

clearonce required to nbtom APPI, USATAC.

APPI Nn. AT-131. Battery, Dry Charged, 12 Volt. Type-21In. The MS-350th-1 battery assembly is used for starting, helpling and ignifion purposes for wheeled and tracked military vehicles. This assembly has following characteristics: (a) automotive this has following characteristics: (a) automotive the according consists of following components: (b) about 10 feet (d) 45 mapper rating. (a) hard tubber or plastic case (b) positive tent plates (c) negative plates (d) active grid naste (e) (e) terminal pasts (f) baffle plates (k) help plates (f) whitey hards (f) baffle plates (k) hierry hards (f) following components (h) the plates (f) whitey hards (h) baffle plates (k) hierry hards (h) ESN 6140-0457-2553. No clearance required to biblion APPI. USATAC.

APPI No. AT-132. Battety, Dry Charged, 12 Voh. Type 4-15. The Ord 572655 battery assembly is used for stanting, lighting and ignition purposes following characteristics: (a) commercial series (b) files (b) files (c) files (c)

APPI No. AT-133, Battery, Dry Charged, 6 Volt. Type 211. The ORD 500902 battery is used for starting, lighting and ignilion purposes for wheeled and tracked military vehicles. This assembly has bollowing characteristics: (a) standard series (b)

b-votts (c) 3-cell (d) 120 ainp-hr rating. This assembly consists of following components: (a) hundrubber or plastic case (b) positive lead plates (c) negative plates (d) active grid paste (e) separaturs (f) connectors (g) covers (h) vent plugs (f) terminal posts (f) baffie plates (k) battery hardware. Specification MIL-B-11188. SNL APP-Multiple. FSN 6440-050-0902. No clearance required to obtain APP1, USATAC.

APPI No. AT-134, Parts Klt. Drag Link Steering. The ORD 5703302 drag link klt is a major replacement component of the steering linkage for the M151 ¼ Ton 4x4 vehicle. This assembly consists of following components: (a) cotter pins (b) nuts (c) seals (d) lubrication fillings (e) liller arm nuts (f) rod ends (g) link. SNL APP G838. FSN 2530. 973-3188. No clearance required to obtain APP1, USATAC.

973-3488. No clearance required to obtain APPI. USATAC.

APPI No. MI-68RI. Overpack for Missile and other components—Structure consisting of a wire-bound wooden box, with 3 sets of internal intermediate wooden cleats for suspension media relention. Suspension Media consisting of 3 Polychylene Foam enti pads, separated from both ends of the missile by a 3/8" thick plywood platen. No security clearance required to receive this APPI. USAMICOM.

APPI No. MI-89. Launcher, Zero Length, Guilden Missile, XM78E3 P/N 9098888 is a mobile supporting device from which the HAWK Missiles are already and fired. From one to three missiles may be fired from the launcher without reloading. The national security of the components of the levates or depresses the boom. b. Boom—The boom elevation group the boom. b. Boom—The hoom, rotatable in elevation, supports and secures from one to three missiles in the firing position. Electronics and hydrantic components are contained within the boom. The toom support, rotatable in azimuth, provides support for the boom. Hydramic components are mounted under the boom support which is raised by a hand-operated hydratic system. No security clearance required to receive this APPI. USAMICOM.

APPI. USAMICOM.

APPI No. MI-81, Pallel, Loading and Storage, XMIEI, P/N 9196208 is a metal structure moon which from one to three assembled HANVK Missiles may be stored. It is normally mounted on a trailer and consists of three missile support arms joined to two skids with supporting structural merabers and two index fitting assemblies. Each missile support are has its own missile latching and clamping assemblies the pallet is constructed to be air transportable with missiles emplaced. The weight of the pallet is approximately 950 pounds. No security clearance required to receive this AAPI.

APPI No. WE 2001.

APPI Nu. WE-26RI. Section, Cleaning Roll. P/N 7266109. This is a component part of the 30 Cal cleaning rod. It is a machined part made of carbon steel. Heat treatment is not required. FSN 1005-726-6109. No Security Clearance is required to obtain this APPI. USAWECOM.

APPI No. WE-221 Housing PM 48224 This

APPI No. WE-251. Housing P/N 8403261. This is a component part of the M79 and M92 Mount, It is a machined part of alloy steel. Fed Sid. 66. Gear cutting facilities are required for the manneral part of this part. Certain physical properties is required to obtain thi. Appl. USAWECOM.

is required to obtain thi. APPI. USAWECOM.

APPI No. WE-25: Housing Assy, Trigger, P/N
7269203. This is a p. 1 for the 7.62MM machine
gun M60. It consists: I Frame assy, I channel,
and 4 Rivets, Machinette, parts are required and
a protective finish must be applied after assembly.
FSN 1005-608-5176, No. Security Clearance is required to obtain this APPI. USAWECOM.

APPI. No. WE-25. Trigger, Assy. P/N 7269212. This is a small arms nart for the 7.62MM Machine Gun. M60. It consists of a trigger, pin and spring. Appl. Westerly Clearance is required. FSN 1005-608-5185. APPI. USAWECOM.

APPI. USAWECOM.

APPI No. WE-254. Slide, Traversing 'Assy. P/N
T144232. This is a part of the M24A1 Mount. It
consists of several parts which will regulre superties exist on components and certain requirements
exist at the assembly of components. FSN 1015-7144232. No Security Clbertance is required to obtain
this APPI. USAWECOM.

APPI No. WE-255. Knob. Window. Rear Slebt.

this APPI. USAWECOM.

APPI No. WE-255, Knob, Windage, Rear Sight,
ASSY. P/N C7312737, a small arms part. Used on
Sembly consists of a knob, a ring, a unt, and a
windage allowance. When assembled to the riffe,
the knob must be capable of being operated by

the fingers. Material is steel, FSN 1005-73 No Security Clearance is required to obtain APP1, DSAWECOM.

APPI No. WE 256. Hearing, Bull Thinst, 840-100. This is a part for the M7D and Maints for the 106MM Ritle. It is made of E52100 Spec QQ-S-62d. Heat treatment is to in maintaining of this part. ESN 1015-86. No Scientify Clearance is required in obtain APPI. DSAWECOM.

APPI, DSAWECOM,

APPI Nn. WE-257, Guard, Hand, P/N 77
This is a part but he Rifle 7.62MM, Mitousists of two parts, the wonder hand guard steel band. There are definite reinfrement the lauditation of the hand guard. Heat he is required on the band, PSN 1005-856-2008
Security Character is regulared in obtain this a USAWECOM.

USAWIFOOM.

APPI No. WE-258. Holt, Breech. P/N 778
This assembly is for the machine and Cal. 50
and consists of several parts. Suppliers must
adequate machining facilities and he able in
thet stammal high pressure test partrible fleSN 1005-85-0023. No Security Clearance is
quired to obtain this APPI. USAWIFOOM.

APPI No. WE-259. Pin. Firing. Belt Assy fle
P/N 11010376. This is a part of the 7.62MW
chine gan. It is a machined part made of e.
Fed. Spec. QO-8-624. Heat treatment is required in accordance with MH-8-13165.
1005-872-4443. No Security Clearance is required
in accordance with MH-8-13165.
1005-872-4443. No Security Clearance is required
ability this APPI. USAWIFOOM.

APPI No. WE-260. Height Chember Clear

ablain this APPI, USAWECOM,
APPI No. WE-260. Hrush, Chamber Clear
P/N 8/3/2358. This Is a small urms part used in
M16 Rifle. It ronsists in a cire, wire, and in
There are certain material and test required
in the manufacture of fills lien. PSN 10051435. Nn Security Clearance is required to althis APPI, USAWECOM,
APPI, USAWECOM,

APPI VISAWECOM.

APPI No. WE-261, Roll Cleaning, Small A
P/N 1168455. Tills rint is used on the Rifle 5.56
M16. It consists of a handle assy, 2 rinl sect
and a swith halder. Rid sectlous and swith ha
shall be assemblable by hand. All machining a
require a protective finish. FSN 1005-090-2035.

USAWECOM.

USAWECOM.

APPI Nn. WE-262, Combination Tool, 1
7790760. This is an accessing for Rife 7.628
M14, It consists of a handle, extension, head,
prins and a hlade,
A protective finish must be applied. ESN 4933.7
this APPI, USAWECOM.

APPI No. AV-170. Generator Set. Gasoline to gine threen, 3KW, 28V, DC, wheel-mounted, sneed for niteraft engine starting. In accordance when clearance required to receive APPI, US/AVCOM.

APPI No. AV-171. Regulator, Vultage, 30 Val aircraft illrect current generator. Appl. multipl pircraft. This firm is a qualified printing like Interested concerns should have their product teste and approved in accordance with QPI. 6809. Con-lant Wright Patterson Air Force Base, Ohio. FSN 6110-373-8691. No clearance required in receive APPI. USAAVCOM.

APPI No. AV-172. Modification Kit. Personnel Ing. 1560-CH-47-300 applies. FSN 1680-947-9829. AVCOM.

AVCOM.

APPI Nn. AV-173. Siliter. Tail Roter Staff.
Splined aftarhment. 44:10 steel. Angl., UII-1 heliconter. AVCOM drawing 21:1-010-720 upplies, ESN
1615-859-61:11. No clearance regulared in receive
APPI No. AV-174, Bult, The Bur Oathosra.
Rutary wing heart, corrusting resistant staintess
steel, size 8 in. L., 14 in. dag. uppl., CII-47 heliture applied in receive APPI. USAAVCOM.
APPI No. AV-175. Tank Hydrauth. 12:014 Air.

APPI No. AV-175. Tank, Hydraulic Findt, Air-criff. Appl., CJI-47 helicopter, Identification by these part numbers only: Vertid P/N 114HS1642. Adel Division P/N 416220. FSN 1650-050-8349. No clearance regularit in receive APPI. USAAVCOM.

Anne Soc. AV-176. Docime Assembly. Used in

APPI Nn. AV-176. Resistor Assembly. Used in continuction with control assembly. Appl., CH-47 lon available. FSN 5905-907-386b. No clearance required to receive APPI. USAAVCOM.

required to receive APPL USAAVCOM.

APPL No. AV-177. Indicator. Pressure. Dial, I fortune pressure scale, 0 to 50 PSL, 1 PSL graduated increments, finish of graduallons, fluorescent fellers, mind type, fluorescent illiminated, incased, without happ sucket, electrical data, AC, 26V, theal, 1, 3 pin contacts, and 10066C-10SL-3P, 0/A (25578, Type Mt1-3, Appl., UH-1 Acft. Tills is a Collaborn. City Air Material Area (OCNEC), Oklahoma, in order to have their product ested

and qualified prior to solicitation, QPL No. 25578-2. FSN 6620-581-2268. No clearance required to re-ceive APPI, USAAVCOM.

ceive APPI, USAAVCOM.

APPI No. AV-178. Inilicator, Pressure. Dial, 1 oil pressure scale, 0 to 100 PSI scale range, 5 PSI graduated increments, fluorescent letters, numerals and lined increments, clock and hand pointer, fluorescent illuminated, incased, without instrument lamp socket, electrical, AC, 26V, 400 cycles single phase, 1 electrical, aC, 26V, 400 cycles single phase, 1 electrical connection, 3 pln contacts, and 10066C-10SL-3P, OA dim, 2-5/8 in, lg, 2 in, dln, clamp mtg., MIL-1-25438, Type MO-2 Appl., UH-1-Acft. This, is a OPL item. Interested concerns should contact Wright-Patterson Air Force Base (SEFIP), Olio, in order to have their product tested and qualified prior to solicitation, OPL No. 25438-2. FSN 6620-557-0582. No clearance required to receive APPI. USAAVCOM.

APPI No. AP-31R-3, Fuze, MTSO, M564 w/Dete-

APPI No. AP.3118.3. Fuze, MTSQ, M564 w/Dstanator and Relay londed is approx 2.4" max D x 5.116" L. procuret detenment approx 2.4" max D x 5.116" L. procuret detenment may 2.40" by 1.517" l. with various counterbores, threads, holes and stosts, uniterial, brass, Specification MIL-B-13351 or OQ-14-637, Ring, Lock, 1.775" ID x 2.7" L. with 1-15/16" 24 thread on OD with 1wo 2.0 slots one side, material, stainless steel 416, OQ-11-763, Hend, 1.785" L. 1.611" OD tapers to approx 0.55", several counterbures and a 8125 -28NS - 2B thread on OD-4-268, alternate material aluminum alloy 2024, temper T4, Specification OQ-A-268, alternate material aluminum alloy die casting, Specification QQ-A-591, Adapter, 1.377" L. x 1.00" in diameter, 1.00-20UNEF-2A thread to entil with a 8125 -28NS-2A thread on opposite end, material, aluminum alloy 2024, temper T4, Specification QQ-A-268 or aluminum alloy 7075, temper T6, Specification QQ-A-282 or aluminum alloy 7175, temper T6, Specification QQ-A-282 or aluminum alloy ilic casting, Specification QQ-A-282 or aluminum alloy 7175, temper T6, Specification QQ-A-282 or aluminum alloy 7176, temper T6, Specification QQ-A-282 or aluminum did on ASTM-1609 or aluminum alloy 7075, temper T6, Specification QQ-A-282 or aluminum did on ASTM-1609 or aluminum 2024-74, Specification QQ-A-269 or aluminum did casting. Specification QQ-A-280 or aluminum did casting. Specification QQ-A-280 or aluminum alloy 3003-814, Specification QQ-A-269 or QQ-A-268 or material, aluminum 2024-74, Specification QQ-A-269 or QQ-A-268 or aluminum alloy 3003-814, Specification QQ-A-269 or QQ-A-268 or aluminum alloy 3003-814, Specification QQ-A-269 or 268, Bolly, 1.74" D with various holes and a loof 2004 or 1004 pt 1004 p

oarts component consists of inserting the Vanc-ioto the Body then onsing the front of the projectile to dimension. The Nose Adapter is then inserted and brazed. The Burster Casing is shipped out-side the Body to be press fitted at the loading stant. Two additional emponents, both Projector Cans, one for the rear to protect the thread boss and the other for the nose to insure cleudiness and protect the inside nose threads. The material is plastic. Tyne I and 3 of M11-C-52078, approx 1/32" wall thickness. The usual painting requirements apply and this entire item is considered difficult to innufacture to specifications. No clearance re-quired to receive APP1. AP-USAMUCOM.

apply and this entire item is considered difficult to minufacture to specifications. No clearance required to receive APP1. AP-USAMUCOM.

APP1 No. AP-38R-1 Fuze, Grenade, Hand, M-204A2 (Loaded) This item consists of (11) commonents and (5) assemblies. Body, approx 2.3" 11 x 81" W x 1.7" L. matt. zinc base alloy die easting. AC40A or AC41A. ASTMB86 or aluminum alloy, die casting. ASTMB85. Lever, formed shape amprox 4.0" L curved section lay right angled tip section apprux 1.7" L x 24 Ga thick, matt. stl, strip. CR. templer 3. Pull ring Assy (2) commonents. Cotter pin, stl wire, type B. 1-1/8" L. Ring. Pull 1/4 coils. close wound, 1 1/4" D x .106" D matt. stl. wire, WD1020, Washer, .75" OD x .52" ID x .038" thick, matt, rubber, valeanized class RS910AF2. Detomator Assy, (4) components. Cose, detonator, 1.78" L x .243" OD x .035" wall thick, matt. At. alloy, strip, 5052 ASTM-B209, Charge, Igniter - dead styphnate. Charge, Upper - Lead avide, lower - ROX type A or B, or PETN, Class 4. Primer Holder Assy consisting of (2) components. Holder Primer, 472" D x .150" W with concentric ctr holes 1.73 and .10" D. Primer, Percussim M42 Assy, .1756" D x .119" L with (3) components, cup, anvil, and cover. Charged with PA-101 primer composition or alternates. Striker Assy consisting c) (4) components. Striker, hinge shape, .494" 11 2.2". H x approx .79" L, matt, stl, strip, ASTM-A-03. Point, Striker, 5/16 D x .25" L.Matt, stl bat, 1117, 1113, 1120, cold finished, ASTM-108. Prin, Plinge, 67" L x .15" OD, matt, cold designers familiar with pyrotechnic manifoncioring processes. This tem is considered somewhat difficule to produce to Ordnanes standards and specifications. No elearance required to receive APP1. AP-USAMUCOM.

APP1 No. AP-40R-1. Case, Cartridge, 105mm, M14B4, MPTS Assembly. This cartridge case is

and specifications. No elearance required to receive APP1. AP-USAMUCOM.

APP1 No. AP-40R-1. Case, Cartridge, 105mm, M14B4, MPTS Assembly. This cartridge case is 4.211 max OD x approx 14.64" L, /3/ components, Body, 14.142" L x 4.211" max OO at mouth, material, steel, 1007 to 1020, cold-rolled, finish No. 1, Specification QQ-S-698, 024 - .006" thick. Body to be wrapped from a trapezoidal blank so as to provide three thicknesses of metal at base and one thickness at the mouth, /with overlap at mouth/. Base, 4.688" OO x .55" thick with step diameter 4.344" x .372" W and centered primer case hole, special bar quality, ASTM Specification A107. Collar, 4.04" OO x .35" thick, formed ring, 2.56" ID with V-notch at bottom and nugled lip, material, steel, special bar quality, ASTM Specification A107. The three /3/ items, phosphate coated and varnished prior to assembly. This item extremely difficult to manufacture to applicable specifications. Manufacturing firms bidding this item will require a highly competent technical staff of engineers, metallurgists and tool design engineers to design, fabricate and maintain precision tools for mass production of this item. No clearance required to receive APPI. AP-USAMUCOM.

APPI No, AP-68R2. Projectile, Body and Band Assembly WP. M375. 81mm, consisting of two

diction of this Item. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-6SR2. Projectile, Body and Band Assembly, WP. M375, 81mm, consisting of two components. Bdy, 10° L, varying in outside diameters from 2.595" at nose to 3.115" on bourrelet to 1.705" at the base, varying wall thicknoss 235" on bourrelet, 20° at mid-section, 135" at base section, to accept press fit burster casing, threaded externally at base to accept fin assembly, outside diameter of body gnooved 360 degrees to accept obturraling band, material, steel, non-resulphurized, carbon bar, hot-rolled, special quality, ASTM Specification A107, alternate material, steel, non-resulphurized, Specification MIL-S-11310, yield strength 60,000 PSi, 1 percent offset, 12 percent clongation. Band Obturating, 3.500 OD x. 187" thick, 1D 2.895", six 60 degree x. 037" D grooves equally spaced inside of band, material, pipe, plastic, Specification PA-PD-2521, Firms bidding plastic, Specification thave qualified metallurgists, chemists and tool designers to fabricate this item in accordance with applicable specifications. No clearance required to receive APPI. AP-USA-

MUCOM.

APPI No. AP-91R-I Fuze, Grenade, Hand Practice, M205A2 (Loaded) This item consists of (11) components and (5) assemblles. Body, approx 2.3" H x 81" W x i.7" L, matl, zinc base alloy die casting, AC40A or AC41A. ASTMB86 or aluminum alloy, die casting, ASTM B85, Lever, formed shape approx 4.0" L curved section by right angled tip section approx 1.7" L x 24 Gn thick, matl, stl, strlp, CR, temper 3. Pull ring Assy (2) components,

Cottel pin, sit wire, type B, t-1/8" L. Ring, Pull 1-1/2" coil, close wound, 1-1/4" D x .106" D, mall, stl, wire, WD1020. Wisher, .75" OD x .52" HD x .078" thick, mall, rubber, viitcanized class RS 10AF2. Detonator Assy, (4) components. Case, detonator, 1.78" L x .243" OD x .035" wall thick, mall, Al, alloy, strip, 5052 ASTM-B209, Charge, laniter - dead styplimate, Carge, Upper - Lead azide, lower - RDX type A or B, or PETN, Class 4, Primer Holder Assy consisting of (2) components, Holder, Primer, 472" D x .150" W with concentric ctr holes .173 and .10" D. Primer, Percussion M42 Assy, .1756" D x .119" L with (3) components, cup, anvil, and cover. Charged with PA-101 primer composition or alternates. Striker Assy consisting of (4) components. Striker, hinge shape, .494" W x .28" I x approx .79" L, mall, stl, strlp, ASTM-A109. Point, Striker, 5/16 D x .25" L, malt, stl, bar, 1117, 1113, 1120, cold finished, ASTM-A108. Pin, Hinge, .67" L x .15" OD, matl, stl, bar, 118 or 1020, cold finished, ASTM-A228. Protective fluish, cadmium or zinc plate. Manufacturing firms bidding this item should be technically stafled with engineers, chemists and tool designers finalliar with pyrotechnic manufacturing processes. This item is considered somewhat difficult to produce to Ordnance standards and specifications. No clearance required to receive APP1. AP-USAMUCOM.

APP1 No, AP-111, Projectile, 81min, Illiminating, M30142 consists of 4 assembles and 6 additional

ioli itesigness familiar with pyrotechnic manufacturing processes. This item is considered somewhat difficult to produce to Ordnance standards and specifications. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-111. Projectile, 81 mm, Illiminating, M301A2 consists of 4 assemblies and 6 additional components. 14,335" L x 3.18" mmx D, cup and disc assembly, 3 components, cup, pill-cord, 2-1/8" D x 5/8" H x 0.21" wall thickness, material, boxboard sheet, Spec. MIL.-B-20467, Oisc. coupling, 2-966" D x .067" thick, 4 point star embossed in center with eyelet center hole, braterial steel strip, temper No. 2. Spec ASTM-109, Eyelet, and the end of the Edwin B. Sintpson, part No. A557, alternate United Shoe Machine Co., pant No. SE66, Cup, parachite (2 each) cup segment, 2-16" D x 1/2" D x 1/2"

the Helert Assembly, I will be Helert Assembly, I will be D. material. S. Class I, Spec. CCCacoustic products and acceive the first product of the first product of

See W. 111. Proposed of Sect., Huminative Act of the following of Mas Off. The assembly it was a proposed from the following to the control of the fold. Clarific and the following from the base of the following from t

reinforcing, 2 1/4" W. cloth roll, length as remired line shroud, 126 glass liber sleeving, Cord, shroud 8 each), 99" L. material, glass fiber spool, braided cord, commercial. Segment, parachitte, (16 erc.th) material, cloth, ballon finished, ent on bias, Plate, shroud, 3" OD x 16" thick with center holes, and 16 shroud holes, material, aluminum alloy bar 2024-73, or sheet 2024-73, Parachule Holder Assembly, 5" D x 5-3/8" II, material, sheeting, conton, Type 5, Class I and bottom with lab eyelets, pull cord, Miscellaneous closing plug, lower uppert, solit washers, parachite wrapper, Manifacturing tirms hidding this item should have a technical staff consisting of engineers, chemists, technicians, metallungists and tuol design engineers to design and maintain precision tools to produce this item by mass production methods. This item has pyrotechnic composition and is considered extremely difficult to manufacture to government specifications. No clearance required to receive APPI, AP-USAMUCOM. USAMUCOM.

tions. No clearance required to receive APP1. AP-USAMUCOM.

APP1 No. AP-114. Case. Projectile Burster, M15 One piece design, approx. 20" L x 2 3/8" D. 2" 1D with 133 final wall thickness. 27" Thick closed base, and one open end finished to close tolerances, material, steel. Specification Mil-S-11310. Alternate design, two-piece Plug, 2,238" D x 273" L overall, steerled to 2,01" D x 1,31" L on one end, material, steel, bar. CD. Specification OO-S-633. Sleeve 19,96" L with 2" ID bored to 2,012" for plug on one end, open end finished to close tolerance material, steel, fubing. Specification OO-S-633. Sleeve 19,96" L with 2" ID bored to 2,012" for plug on one end, open end finished to close tolerance material, steel, fubing. Specification OO-B-00655. Each case wapped in VCI paper 23-1/4" x 9-1/4", malerial, volatile corroston inbittor open Type I. Class 2, Style C. Specification MIL-P-3420, tape closed, varnish and bake, Each case must withstand a helium test. Exterior is surrounded with one atmosphere of helium, a maximum of 20 microns of mercury absolute pressure maximum leak permitted is 1 x 10 minus 6 cubic centimeters per second. This item is cansidered difficult in produce to specification requirements. No clearance required to receive APP1. AP-USA-AP-US MUCOM.

MICOM.

APPI Nu. AP-115. Projectile, 155mm, Illuminating. M485 consists of a (1) Metal Parts Assembly, (2) Expelling Charge Assembly. (3) Parachute, Oronus and Canisler Loading Assembly, and a number of individual components. (1) The Metal Parts Assembly consists of (a) a Body made from steel, carbon, billels fur forging. Space ASTM A273. 1050, 23.32" L 6.092" max OD with totating band seat and obturating band seat lensile strength 120,000 min., vield point 100,000 mln., (b) Plug. Base made from steel; grade composition 1045 ASTM Space A108, 5.38" max DD x 1.02" W. (c) Rotating Band Blank, gilding metal, Class B. Spec, MIL-B-2022. 6.116" ID x 6.60" OD x 1.07" L. (d) Band Obturator, material centifingally cast clear tubing, composition A type I, Spec, MIL-M-20693, 592" ID x 1.15" wall thickness x .375" W (2) the Expelling Charge Assembly is made from (a) the Cover, Expelling Cbarge 1.90" D x .020" tubing. composition A. type I. Spec. MIL-M-20693, 5.92" ID x. 175" wall thickness x. 375" W. (2) the Expelling Charge Assembly is made from (a) the Cover, Expelling Charge 1.90" D. x. 0.20" plastic polyethylene, sheeting, type f. Class. L. stade I. Spec. L-P-512 (b) Cup. Expelling, Charge, 3.66" thickness with flanged end, material, plastic, polyethylene, Type I. Class L., grade I., Spec. L-P. 1.360. The charge, expelling is 95.0 plus or minuts. 1.0 The charge, expelling is 95.0 plus or minuts. 1.0 The Parachute, Drogue and Canister Loading Assembly consists of (a) Parachute, Drogue, 12" D. made from 2 crowns, 6 gores, 13 oval sleeves, 12 eyelets, and 6 should lines, (b) Shroud, wire, wire rope, steel, MIL-W-1511, 125" D. 26" max L. (c) Canister Loading Assembly consists of (1) Canister Metal Parts Assy which includes (a) Canister steel tube, round, seamless, grade 1020 cr. 1025 ASTM-AS19, 14.62" L. x. 4.55" max OD x. 4.257" ID, (b) Fin 9.69" L. x. 0.22" lhlick curved to a 2.219" radius, made from steel, strip, cold rolled, No. L. temper, Spec. ASTM-A109, (c) Nose, Canister, Steel, grade 1015 to 1020 ASTM A107 center hole: held to the canister with (d) Plins, Sheat of ANRIA-168, 33" L. x. 183" D. (e) base, Canister Steel, bar, round, cold finished, comp. 1117-ASSEMbly consisting of Base, Canister (2) material, ASTM-A108, semicircular center hole of .472" Plate, Swivel; Housing, swivel; Pin swivel; II ball bearings (2) Delay Holder Loading Assembly made of 5 increments of (b) Powder Ignilion, Gasless, Composition MIL-M-21383 (2nd-4th increments) (d) lay holder is screwed into the nose, canister, Charge Assembly, Secondary loaded with 10.6 grams grams of black powder, MIL-P-223 (51h increment). The december has bearings (2) Delay Holder Loading Assembly made of back powder, MIL-P-223 class 6 glazed and 7 Within the Metal Parts assembly is the (4) Parastiting of (a) Parachute Main 100 Inch made from

a center panel, chith nythin, parachitte, type I cohnatural or white, Spec. MIL-C-7020, trappezidal ishape with bases of 93.406" and impe, steel, Spe. MIL-W-1511, 125" D x 33" i.. The whe ripe In time attached by a plin and clevls assembly to the Condille Localling Assembly which inchies Sheli, Illiamhant, Container, 7.50" x .4078" ID .078" wall thickness, steel, tithe, seamless, commod 1015. MT 1020 th MTX 1005, MTiX 102D pe ASTM-AS19, Base Candle, 4.250" max OD x .86 W, center linke 1.193" D cumiterboried in 1.416 and 1.569" male from steel bar; colif finished, emay 1115-1120 ASTM-A108, Swlvel with 62 hall hemings. The candle localing assembly is haded with increments of Illiamhant composition III, MIL-STD-734 and yellow first fire composition III, MIL-STD-734 and yellow first fire composition, Mil-STD-734 and yellow first fire composition, Mil-STD-734 and yellow first fire composition III, MIL-STD-734 and yellow first fire composition till, term about have a thorough kinwellege of nyrotectinic princessing, blemling and consolidation as well as experience in the behavior of localing and chemica processing. This item is quite suphisticated and considered difficult to produce. No clearance required to receive APPI, AP-USAMUCOM,

APPI No. EA-681, (Revision Nn. 1 to APPI Releas No. 6, 6 Apr 65) Agent Ript Courted St

considered differil to profile. No creating required to receive APPI. AP-USAMUCOM.

APPI No. EA-6R1. (Revision No. 1 to APPI Release No. 6. 6 Apr 65) Agent , Riot Control, CSI (Chemical Name: O-Chiprohenzalmationolitrile) CSI is a white crystalline powifer. It has a minimum purity of 96 percent, is insoluble in water and ethanol but soluble in methylene chloride. The pure crystalline form (identified by symbol CS) is used as filling for burning type grenades and minitions. A mixture of 95 percent of the crystalline attent and 5 percent of silica get aeroget (identified by cymbol CSI) is used as filling for hurstlog-lype grenades and in bulk irrilant agent dispersers. This Irritant Chemical Agent will cause severe finit not permanent physiological effects such as extreme burning of the eyes, coughing, difficulty in breathing and chest tightness. Heavy concentrations will cause naisea and vomitting in addition to the above effects, Protection required is provided by protective mask and clothing. No security clearance is required to obtain APPI. EA-USAMUCOM.

APPI No. FA-53. Catapult, Alternit Ejection

nask and croming. No seem to obtain APPI. EA-USAMUCOM.

APPI No. FA-53. Catapult, Aircraft Ejection Seat. M9 Part No. 8596966. A device which is rocketed assistent, tithe telescoping, to provide zero altitude as well as high level ejection from jet aircraft. This Item is considered a highly complex precision device. It is classed as a huzardous Heart The device is subject to rigid safety control during the course of manufacture. Drawings and specifications for the item will be available at the time of solicitation. Projected quantity is 300 devices - required delivery hegin eight months after the date of award of the device. No seemrity clearance is required to receive the APPI. There is no Government Furnished Property regularements or Technical Manual requirements connected with the procurement of this item. FA-USAMUCOM.

APPI No. FA-54, Bail Bearing Actuatur Assy.

curement of this item. FA-USAMUCOM.

APPI No. FA-54. Bail Bearing Actuatur Assy.
P/N FD20806. This amount device actuates the
campy of the M8 Remover. This is a component
part of the M8. Drawings and specificaliouts for
the item will be available at the time of sulleitation. Projected quantity is 75 devices—required
delivery being nine months after the date of award
of the device. No security clearance is required
for receive the APPI. There is no Government
Furnished Property requirements or Technical
Manual remitrements connected with the procurement of this item. FA-USAMUCOM.

APPI No. FA-55. Shinping and Storage Con-

ment of this item. FA-USAMUCOM.

APPI No. FA-55, Shipping and Storage Container, Cartrilge, 20MM, M548T46. A metal container, which can contain 200 minuts hulk pack attached to a metal helt. Drawings and specifications for the item will be available at the line of required helivery heling nine months after the false of award of the device. The delivery schedule is 50,000 per month. No security clearance is required to receive the APPI. There is im Government Furnished Property requirements or Technical ment of this item.—FA-USAMUCOM.

APPI No. FA-56, Protectile 20MM Taixet Prac-

ment of this item.—FA-USAMUCOM.

APPI No. FA-56. Projectile 20MM Target Practice. It is a projectile used for target practice by the U.S. Air Force in their M39 and M61 Gins. Items of the planned procurement minantly is 7.000,000. The livery heing eight months after the itale of tward of the contract. Drawings and specifications for the litem will be available at the time of solicitative APPI. There is no Government Fornishei Property requirements or Technical Manual requirements connected with the procurement of this item.

APPI No. EL-153. Teletypewriter Set AN/GGC-3A. Receives and semis messages on time. No se-curity clearance required to obtain APPI. USAE-COM.

APPI Nn. EL-154. Distributor-Transmitter Set. Teletypewriter AN/GGC-9 and AN/GGC-9(). Used for duplex one-way transmit operation of seletypewriter. Nn security elegrance required to which APPI. USAECOM.

APPI No. E1.-155 Railo Set AN/GRC-50( ) (V) A complete, compact, rugged, lightweight raillo relay set whose major operating components may be used either as a terminal or modulation frequency patch teneater for intermeilate or forward area systems. The railla shall provide simultaneous two-way (duplex) transmission over eight jumps in tandem. No security clearance required in obtain APPI, USABCOM.

APPI No. EL-156. Radio Set AN/GRC-143( ) Utilizes the tropo scatter mode of prophagation to transmit 12/24 and/o channels by frequency division multiplexing or 12/24 and/o channels by pulse multiplexing. Dual diversity with 1F combining is used in reception to enhance circuit reliability. No security clearance regulred to obtain APPI. USAECOM.

APPI No. EL-157. Radio Set AN/GRC-144().
Utilizes the line-of-sight mode of propagation to
transmit up to 120 audio channels of frequency division modulation traffic or up to 96 audio chan-nels by pulse ende modulation. No security clear-ance required to obtain APPL USAECOM.

APPI No. EI. 158. Message Center AN/GSQ-80. Provides complete lacilities for receipt, sorting and distribution of mail as well as providing other message center functions. No security clearance required to obtain APPI, USAECOM.

required to obtain APPI. USAECOM.

APPI No. EL-159. Radio Set AN/MRC-95 and AN/MRC-95 (). A high frequency, Mobile Radio Set that provides recepition and transmission of radio frequency within 2 to 29,999 mc freq. range. Provides direct reading frequency control in 1-KC increment throughout the frequency range. Timing, including antenna circuits, is fully automatic. Modes of operation furnished includes upper or lower sideband, compatible AM voice, CW telegraph. A mobile radio set. Provides recepition and transmission of radio frequency signais within the frequency range of 2 to 29,999 mc. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-160. Operations Center, Communi-

APPI No. EL-160. Operations Center, Communications AN/MSC-31A. A field communications operations office required by the signal operations officer to plan, engineer, and control an area-type communication system. Designed to be transportable by air or vehicle. NOTE: One way interchangeable with previous versions. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-161. Operations Central AN/MSC-32A. A field communications operations oillice required by the signal operations officer to plan, engineer, anni control an area-type communication system. Designed to be transportable by air or NOTE: One way interchangeable with previous versions. No security clearance required to obtain APPI. USAECOM.

le obtaint APPI. USAECOM.

APPI No. EL-162. Radio Set AN/PRC-62(). A man packed set which provides communication between combat units operating in jungle, desert or other areas. The set is continuously tunable in one (1) kc steps over the frequency range of 2 thru 29,999 mcs, thus providing 27,999 channels. This equipment is capable of operation while being transporated. No security clearance required to obtain APPI. USAECOM.

APPI No. EL-163. Radio Set AN/PRC-74(). Contains the receiver-transmitter and necessary accessories for providing an man-pack portable single slidebami medium high frequency receiver transmitter. It provides single sideband (SSB, USB) voice and tone modulated telegraphy (CW) transmission and recepition in the frequency range of 2 to 11.999 mc in 1 kc steps. Rated power output is 15 watts peak envelope power (PEP). No security clearance required to obtain APPI. USA-ECOM.

APPI No. EL-164. Radio Terminal Set Allerance.

APPI Nn. EL-164. Radio Terminal Set AN/TRC-80 and AN/TRC-80 (). Provides duplex FM Comminication of one voice and one teletype channel by means of tropospheric scatter, diffraction, obstacle refraction or line of sight transmission. No security clearance required to obtain APPI.—USA-FCOM.

APPI No. EL-165. Radio Terminal Set AN/TRC-90A. Provides full duplex FM SHF communication with the capability of 24 4KC volee channels, 16 full duplex narrow-band TTY channels, one 3 KC volce and TTY service channel and a HF radio capable of accepting one volce frequency channel. Propagation is by means of tropospheric scatter, diffraction, obstacle refraction or line of sight transmission. 2W/4W capability and 20 cycle ringers are available for all 24 channels.

NOTE: One way interchangeable with AN/TRC-90, AN/TRC-90A has ring through capabilities and 2W/4W capabilities for all 24 channels. Components differ, No security clearance required to obtain APPI, USAECOM.

APPI No. EL-166. Radio Set AN/TRC-103 and AN/TRC-103( ). Capable of multi-channel full duplex operation in the specified base-band spectrom of 12-1300 ke in the frequency range of .755 to 985 gc, using either troposcatter or line of sight propagation. No. security clearance required to obtain APPI. USAECOM.

propagation. No. security clearance required to obtain APPI. USAECOM.

APPI Nn. EL-167, Radio Terminal Set AN/TRC-129 and AN/TRC-129(). Provides full duplex FM SHF communication with the capability of 244 kc voice channels. 16 full duplex narrow band TTY channels, one 3 kc voice and TTY service channel and an HF radio capable of accepting one voice frequency channel. Propagation is by means of tropospheric scatter diffraction, obstacle refraction or line of sight transmission, 2W/4W capability and 20 cycle ringdown is provided for all 24 channels. The set has the capability of being connected in quad space, frequency diversity or dual space diversity. NOTE: One way interchangeable with AN/TRC-90 or AN/TRC-90A, similar to AN/TRC-90B but not mechanically, functionally interchangeable. Basic radio and multiplex equipment is identical to the ANTRC-90B, except that the modules for the E and M signaling, and 48 channel options in the multiplex are not supplied. The antenna is the same as that used in the AN/TRC-90B because of the difference in the antenna sizes. This system is not mechanically interchangeable with the AN/TRC-90B because of different methods of storage and transportation. No security clearance required to obtain APP1. USAECOM.

APPI No. ME-1R2, Laundry Unit, Traiter Mounted, this is a complete self-contained.

becanse of different methods of storage and transportation. No security clearance required to obtain APPI. USAECOM.

APPI No. MIE-IR2. Laundry Unit. Trailer Mounted, this is a complete self contained field laundry unit mounted on a 2 wheeled trailer with a capacity of 120 pounds (dry weight) of laundry per hour, equipped with an air compressor, washer extractor assembly, water heater, water pump, drying tumbler, and a gasoline engine drive generator set. Air compressor shall be electric operated 208 volts, 60 cycle, 3 phase. Washer extractor assembly shall be driven by a 50 degree C temperature rise squirrel cage Induction motor, 5½ HP, 1650 rpm, 208-230 volt, 60 cycle, 3 phase. Hot water heater shall be capable of maintaining a 70 sleptee F water temperature differential between the inlet and equipped with a fuel pump capable of smppling luel at 160 psi pressure with by as alve closed and hurner shall compact the second surface of smake 11 to perpishil lega centrifingal, single said and pump shall be driven by an electric motor, 3/4 HP, 208 volts, 60 cycle, 3 phase, 15 to 70 feet toe 15 to 16 feet toe 15 to 17 feet toe 17 to 18 feet when operating at 345 pm. pump shall be driven by an electric motor, 3/4 HP, 208 volts, 60 cycle, 3 phase, 23 phase, 16 cycle, 3 phase, 230 volt, 60 cycle, 3 phase, Unless otherwise washer motor shall be a 40 degree C temperature rise squirrel case induction motor, 1 HP, 850 rpm, 208-230 volt, 60 cycle, 3 phase, Unless otherwise specified, the Government will furnish the follow-line: A 2 wheeled trailer chassis. ORD model M-536, 2½ ton capacity: A 10 KW, air cooled gasoline engine driven generator sel, ac, 120-280 volt, incepted to take water from streams, rivers, lakes, etc. and heat it (or laundering purposes, lakes, etc. and heat it (or laundering purposes, lakes, etc. and heat it (or laundering purposes, lakes, etc. and heat it (or laundry unit is to orovide laundry service to field units and hospitals. In

clearance required to obtain APPI. FSN 3510-753-2895. USAMEC.

APPI No. ME-6R2. Grader, Road, Motorized: Heavy duly, diesel engine driven, pneumatic tired, 6 wheeled. 4 driving rear wheels, 2 steerable front wheels, with leaning front wheels. Operable by one man for general construction work such as coarse and fine grading, low and high bank cutting, searlifying, and flat and V-ditching. Grader shall grade forward or reverse. All parts of the grater shall withstand the full power of the engine at shall withstand the full power of the engine at shall withstand the full power of the engine at shall without biade chatter, weaving, rocking, or other actions not under complete control of the operator. Grader shall be furnished with a scariffer. When specified grader shall be furnished with a winterized system, including a cab, that will permit red system, including a cab, that will permit efficient heating and starting, battery heating, personnel cab healing, window defrosting, and equipment operation at any ambient temperature from minus 65 degrees F through plus 125 degrees F. The nonwinterized grader shall perform in any imbient temperature from plus 125 degrees F io winus 25 degrees F. An industrial type diesel engine, including a 40 ampure generator, a charging receptacie for emergency starting and battery charging, a housing, fuel tank and governing system conforming to MILE-11276 shall be provided. Final drive shall be on the 4 rear wheels arranged in tandem, 2 on each side. Tandem frames shall be

monated on a pivot about the driving axte so that the equal weight is carried on alt 4 wheels when operating over rough terrain without affecting the evenness of the blade cut. Drive chains, sprockets, geats, and bearings in connection with the drives shall be fully inclosed in dust proof, oithight housings. Tandem oscillation shall be not less than 20 degrees from the horizontal in either direction. Grader shall be queipped with a 24 volt electrical system, headlights, floodlights, taillights, blackout lights and reflectors. Moldboard assembly, including moldboard circle, the 12 ft lg hydraulic controlled blade, and adjusting mechanism shall be attached to the frame by a swivel hitch. A pintle hook conforming to M551118 shal be affixed to the front. Commercial standard wheels and rims shalt be used and tires shall conform to Federal Specification ZZ-T-381, Lifting and tiedown attachments shall be provided. Repair parts, maintenance tools, and accessories shall be included with the shipment of grader. Before assigning any welder to do manual welding work, contractor shall provide certification that welder has passed approved qualifications tests. Graders are intended to be used primarily for construction. In accordance with M1L-G-804C. Amendment 1, Type 1, Size 3, FSN 3805-261-5826. No security clearance required to obtain APP1, USAMEC.

APPI No. ME-7R2. Crane-Shovel, Truck Mounted 20 ton, two engine dive 3/4 CU YD shovel canaci-

used primarily for construction. In accordance with MIL-G.804C. Amendment 1, Type 1, Size 3. FSN 3805-261-5826. No security cleanance required to obtain APPI, USAMEC.

APPI No. ME-TR2. Crane-Shovel, Truck Mounted 20 ton, two engine drive 3/4 CU YD shovel capacity, 3/4 CU YD backhoe capacity. The crane-shovel shall consist of a revolving power unit super-structure with Iront end operating equipment mounted on a heavy duty, truck type carrier. Revolving superstructure shall be convertible for use as a crane, clamshell, dragline, pile driver. Conversion to any of these uses shall be effected without the use of special tools and without the instaliation of additional shafts, drums, clutches or parts. Each crane-shovel shall disassemble into units that can be transporated by air or rail. The overall dimensions and weights shall be complete in all details. Crane-shovel shall disassemble into units that can be transporated by air or rail. The overall dimensions and weights shall be 60,000 lbs, max. GVW, 120 ins. max, width, 150 ins. max, helght, 27 ft. max lengh classis. One engine shall be provided to operate the carrier, another engine shall be industrial type gasoline engines conforming to MIL-E-11275, group 11, except the generators and voltage regulator shall conform to MI G-46795. A separate electric cranking system she provided for each of the engines. Two 24 velectric systems shall be provided, both systems shall be completely independent of each other I interconnecting between the two systems shall possible. Crane-shovel shall be capable of towing military M345 trailer loaded to a gross weight not less than 30,000 lbs. Wheel drive shall be powered from engine through gear driven axles in the engine shall be mounted on the reau and a towing attachment on the front of the crane. A water crooled, engine hibricated, 12 crm at 1,250 rpm, air compressor of the automotive type driven by the engine shall be mounted on the reau and a towing attachment on the front of the crane. A water crooled, engine hibricated, 12 c

APPI No. ME-19. CANCELLATION OF APPI NO. ME-19. Metascope Assy Image, Infra APPI NO. ME-19. Metascope Assy Image, Infra Transistorized, nublished previously in the 6 J 1965 issue of Commerce Business Daily is her cancelled by USANIEC.

APPI No. ME-26R2. Ponton Boat. Half Sectlo aiuminum huii, overall dimensions of hull 18 f 5 ln. ions, 6 ft. 8½ in. wide. 34 in height. 13,20 lb. capacity. In accordance with MIL-P-52200A at Dwg No. D7899-1 thru 26, FSN 5420-542-4729, N security clearance required to obtain APPI. US, MEC.

MEC.

APPI No. ME-42R2. Tank. Fabric. Collapsib Water, nylon, rubber coated, 3,000 gallon. Materl shall not Impart tase or odor to chlorinated water shall have no adverse effect on the health of promote. Complete list of the ingredients, and contentration of each to be used in product formution shall be submitted to contracting officer days pilor to production, in order to determit the acceptability of the rubber formulation from toxicological viewpoint. Nylon cloth shall be

with him seriori saruri. Defects the marked of their evalue shall be a marked the state of histories and view within a marked the state of histories and view within a mount of his ar minus 2 to discuss it plays at minus 2 to discuss it plays at minus 2 to discuss it plays and the calendar coated within the properties shall a few to give minh of width. After the discuss within a few to share \$5 per cent of the marked of the week filled of the took is cured within the break is cured within the the took is cured and ground within the the took is cured and ground within the took is cured and ground within the took is a cover and ground within the took is at the standard of the made unless that for any difficult tooks are intended a week for a conditional minded. Staves, down and it is not conditional minded of the format times are intended at which for a conditional minded and the following times are intended.

#### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY ipublished by the U.S. Dept. of dited April 4,1967 page 2, No. PSA age 3 of \$5 that the potential suppliers source of information Name and Address of Installations) will be found on page 2, top of which I met three paragraphs.

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A come conjugated to provide intercommunity for two a few 2 to be stations on after the former to be for the former to be radio to be a few and the former to be a few and the few an

APRI See FE. 172. Amplifier. Flectionic Control 1.435 Provides the recessiry amplification of the provides the recessiry amplification of the provides the amplified signals are made to the action of the part of the second part of the part of the

1991 No F1-173, Power Famt, Effective ANY 1994 1 Constitution Single for AN TRC-90, No element clearance required to As of USECOM

And USACOM Set AN MRC-951). A Provider of radio within provides receptors to the following states of the frequency within 2 following states for 1982. Provides there reading the following states for the following states of operation furnished and following states of the following states of the

THE PARTY OF AN ARIAN SET AN PRC47. A team pass of the provide ground and air compass of the provide ground and air compass of the provide clearance required to the provide state of the provide clearance required to

APPI No. 11-176. Recto Set AN GRC-10(). Re-serve and apparent which channel voice, telegraph, we mad apparent brails and with appropriate carrier to the control of the channel push-to-talk facilities in the control of the channel of

APPI No. 14.477. Mainplever TD-660()/G. When sold and M. Epperer TB-204()/U forms one terminated of the mainplex sistem. This multiplex many large means of Radio Set AN GRC-103(), forms and large multiplex sistem. Filter sistem will provide the natheries channels of voice communication of the feature of the security clearance required to measure APPI 1.5AFFOM

APPI No. EL-178. Distribution Box J-2317()/U. An intermediate distribution frame (IDF) for field wire and/or 26 pair cable prior to terminating at the equipment. No security clearance required to obtain APPI. USAECOM.

the equipment. No security clearance required to obtain APP1. USAECOM.

APP1 No. EL-179. Cable Layer-Underground LC-236/MT. A two-wheeled, trailer-mounted, lightweight plow, capable of burying standard signal corps field wires and cables to any depth from three to ten inches in most solls. No security clearance required to obtain APP1. USAECOM.

APP1 No. EL-180. Modification Kit-Electronic Equipment MK-345()/GR. Instructions for installation of Modification Kit, Electronic Equipment MK-345()/GR. Instructions for installation of Modification Kit, Electronic Equipment MK-345/GR in 2-1/2 ton 6 x 6 truck mounted Signal Corps Repair Shop M185 and M238. No security clearance required to obtain APP1. USAECOM.

APP1 No. EL-181. Maintenance Kit, Electronic Equipment MK-722()/URC. Provides module extenders, adapter cables, and special tools so that tests and adjustments may be performed for like Radio Set AN/ARC-102 and AN/MRC-95. Also provides switching and calibration capabilities, When used in conjunction lith Test Harness AN/URM-157 a complete operational check of the Radio Set AN/ARC-102 and AN/MRC-95 is provided. No security clearance required to obtain APP1. USAECOM.

APPI No. EL-182. Radio Transmitter AN/PRT 4, 2d/in Receiver AN/PRP-3. The gouldwart is con-

APPI No. EL-182. Radio Transmitter AN/PRT 4, Radio Receiver AN/PRR-9. The equipment is com-Radio Receiver AN/PRR-9. The equipment is comprised of a very light weight FM Radio Set designed to provide short range tactical communications in the forward combat elements. Frequency Range 47 to 57 me, two channels pre-set, range, channel 1 is one mile, channel 2 is 500 yards. The set is capable of communicating with the AN/VRC-12 and AN/PRC-25. The set is replacement for Radio Set AN/PRC-6. No security clearance required to obtain APPI. USAECOM NOTE: The equipment as indicated under APPI No. EL-182 will be on display for a period of thirty (30) days from the date of this release 4 April 1967 at US Army Electronles Command, Building \$2, Coles Area, Fort Monmouth, New Jersey. New Jersey.

New Jersey.

APPI No. MI-42RI. Launcher, Rocket Aircraft, XM-t58, Consist of seven 2.75" diameter, 54" long, extruded aluminum tubes. The tubes are secured in a cylindrical configuration by means of 2 sets of cast aluminum segments. Each set of segments being held together by 2 steel straps. The electrical system consists of a 26 pin connector with a separate circult connected to a firing arm on each tube. The weight of the launcher is approximately 45 lbs and is designed to be suspended from a standard 14 Inch bomb rack.—USAMICOM.

APPI No. MI-27. CANCELLATION OF APPI.

APPI No. MI-27. CANCELLATION OF APPI. Infra Red Kirs published previously in 3 August 1965 issue of Commerce Business Daily is hereby cancelled due to ctuange in Military requirements. USA-MICOM.

due to change in Military requirements. USA-MICOM.

APPI No. MI-7tRI. Mount, Tripod, Guided Missile Launcher: XM159 A folding tripod with adjustable legs provides a level and a rigid base for the launcher. Tripod shall be of a durable and light weight material. Confidential clearance required to receive APPI. USAMICOM.

APPI No. MI-7zRI. Mounting Kit, Vehiele, Guided Missile System: XM232 (Mounts Tow Launcher in M151Al Truck). The M-151 Adapter is a two jeep concept. The first or lead jeep will carry two crew members, a center mounted liring pedestal also stowage for the Tow Launcher traversing unit, are stowed in saddle brackets. The two missiles are stowed in saddle brackets. The adapter kit is modifications to the vehicles. The Tow can be either fasteners to establish a ground mode configuration within the required reaction time. Confidential clearance required to receive APPI. USAMICOM.

APPI No. MI-74RI. Charger, Battery: PP-4884

APPI No. MI-74RI. Charger, Battery: PP-4884 (XO-1)/T. The launcher battery charger restores the stored energy of the nickel-cadmium battery for the launcher. Confidential clearance required to receive APPI. USAMICOM.

APPI. USAMICOM.

APPI No. MI-76R1. Container Tow Weapon System. The Tow Missile container is a fiberglass/epoxy container that provides environmental protection for the missile during storage and hauling, it incorporates seals that are not broken until the moment of firing, allowing the missile lo be unloaded from the launcher without loss of its environmental protection. Mechanical alignment and lectrical connection to the launcher are provided automatically as the container is loaded and locked into the launch tube. When loaded, the container serves as the breech end of the launch tube. Confidential clearance required to receive APPI. USAMICOM.

The synopses on the following USAMICOM

ceive APPI. USAMICOM.

The synopses on the following USAMICOM APPI'S: APPI No. MI-2. MI-5. MI-23, MI-32, MI-39, MI-40, MI-50, MI-62R1, MI-79, MI-24, MI-35, MI-37, MI-38, MI-57, MI-58, MI-58, MI-67, MI-73, MI-73, MI-73, MI-73, MI-74, MI-77, MI-78, MI-72, MI-78 Issued in FY 67 and prior years are republished as a reminder that FY 68 and future planning still exist on fleese.

APPI No. MI-2. Bistatic Rader Reflectors (Line-herg Lens) as defined by Missile Interior Spreification MIL-10044A to be used to augment the radar tracking capabilities of the Guided Missile, Targets, For use with the AOM-38A (RP-76) Guided Missile Target, the outside dimensions of this sphere muss he 10½" and weight must not exceed 9 pounds. For dimensions for other usages, refer to above MIL-10044A. This item is presently being manufactured from a form of polystyrene. No Federal Stock Number Assigned. Na clearance required to obtain APPI, USAMICOM.

APPI No. M1-5. Fail Safe Kit, DAMWO 9-1410, 250-30/7. APN 5950331. This murification kit provides a supplemental fall-safe capability by the adilition of separation switches at missile station 87.50 ami station 136.00 which will activate the main fail-safe system if excessive inflight locals cause missile structural failure. The equipment consists of two wiring harnesses with inder-switches. Federal Stack Number 1420-856-8218. No clearance regulated to obtain APPI. USAMICOM.

obtain APPI. USAMICOM,

APPI No. MI-6. CANCELLATION OF APPI.
Previously published as APPI No. MI-6, covering
Instrumentation Assembly. Drawing Nr 11665543,
synopsized in the 4 May 1965 issue of the Commerce
Business Daily is hereby concelled on the request of
the requiring activity in view or procurement of the
FY 65 requirements thereof and clumpes in the
FY 65 requirements thereof and clumpes in the
FY 67 requirements which are now
reflected in APPI No. MI-28 symposized in the
Angust 1965 issue of the Commerce Business Daily,
USAMICOM.

APPI-No. MI-23. AOM-28A(RD-76) Texast Systems

USAMICOM.

APPI-No, MI-23, AQM-38A(RP-76) Tarnel System Missile, The AQM-38A is Rocket Powered, Rudlin-Controlled target which is launched from underneath the wing of a Jet Alreraft, May be equipped with either a 37-lb Thrust or 100-lb Thrust Rocket Motor, No Federal Stock Niember assigned. Synoisized to afford sub-contracting opportunities only. No clearance is required to obtain this APPI. USAMICOM, APPI No. MI-32, Telephone Cahle, APN 817133, ESN 1430-334-0331; Telephone Cahle, APN 8150481, FSN 5995-326-5440; Reel & Cahle Assy (Reel GIFE) APN 8007322; FSN 4935-800-7327; Reel & Cable Assy (Reel GFE) APN 8171827, FSN 1430-560-9889, Reel & Cable Assy (Reel GFE) APN 8171827, FSN 1430-560-9889, Reel & Cable Assy (Reel GFE) APN 8171827, FSN 1430-1560-9889, Reel & Cable Assy (Reel GFE) APN 9136618, FSN 1430-819-9553. Procurement may be small business set-aside. No clearance required to obtain APPI USAMICOM.

APPI No. MI-39, Shillieslagh Dummer, Cable of Missing Carleton Missing Car

USAMICOM.

APPI No. MI-39. Shilliealadh Dummy Gulded Missile. The Dummy Gulded Missile has the same external size, shape, weight and balance as the Stillelagh Missile. It is for use by the user for familiarization with the item, for development of handling procedures, and for training. The Dummy Guided Missile is approximately 6" in diameter by 45.5" long, is constructed primarily of abundance alby, and welghs approximately 62 pounds. If inclinics an adjustable halfast and is constructed so that it may be set to simulate a standard range or an extended range Shillealagh Missile. Procurement may be small business set-asile. No FSN assigned, Nu clearance needed to obtain APPI. USAMICOM.

APPI No. MI-40, Cable (8,000 ft. per Target).

APPI No, MI-40, Cable (8,000 ft, per Target).
Cable used to attach Towhee Target to the Firehee Guided Missile Target. This cable covered by Milary Specification MIL-T-23439A and Qualitied Projects List 23439-1. No Federal Stock Nutrilor assigned. MicOM.

MICOM.

APPI No. MI-50. Container Chaparral Missile. This container consists of an inner aluminum take approx 116" lorg by 8" O. S. shockmounted to paralled aluminum angle members surrounded by a ridlg closed cell polymethane hody contained in a ridlg closed cell polymethane hody contained in a fining closed cell polymethane hody contained in a still perforated aluminum skin. The nliminum skin has hinged and latched emi covers. 6 slots are provided, 3 on each emi, in the polymethane cell for storage of the missile wings and canards (fins). The container has approx. ontside illmensions of 125" long by 19" high by 18" wide and is designed for stackability. Weight is to be 95 lbs ur less. No Federal Stock Number assigned, Procurement may be a small business set-aside. CONFIDENTIAL clear-ance is required to receive this APPI, IJSA-

APPI MI-62R-1. Digital Receiver/Decoder, as defined by Missile Interim Specification MIS-10138, dated 13 April 1966. This item is used to precede serially alighted command information and provides analog output voltage to Federal Stock Number Assigned. No clearance required to obtain APPI. USAMICOM.

APPI No. MI-79. Main Sustainer M30A2 Motor with accessories. (NIKE HERCULES) Approximate weight 500 lbs. motor approximately 83-1/2" long and 32" in diameter.

32" In diameter.

APPI No. MI-24. Guidance and Control Set for XMGM-51A (Shillelagh) consisting of: Tracker, Optical, SU-27 (ZO-1)M; Converter, Signal Data; Sensor, Rate; Modulator; Transmitter, Optical; Power Supply, PP-4255 (XO-1)M; Panel, Test Checkout; Set of connecting cables, consisting of six (6) special cable assemblies. No Federal Stock Number assigned. Synopsized to afford sub-contracting opportunities only, Confidential clearance required to obtain this APPI. USAMICOM.

APPI No. MI-35, Improved HERCULES Modification Kit consists of a Target Ranging Radar Antenna mounted on GFE 4 wheel flat bed trailer, weighing 12,800 lbs; Radio Frequency Detector weighing 12,800 lbs; Radio Frequency Detector weighing 19s; Anxiliany Acquisition Cabinet (Control-Interconnection Group) Weighing 225 lbs; Target Ranging Radar Control Receiver-Transmitter Cabinet weighing 830 lbs, clus additional hardware kits. No Federal Stock Number assigned. Synopsized to afford sub-contracting opportunities only. Inquiries should be made direct with Western Electric Co., Burlington, N. C. Confidential Clearance required to obtain this APPI No. MI-37. Shelter Electronic Test Group #3. as defined by Missile Interim Specification MIS 5707, Rev 3. This shelter is for use as a part of Multi-System Test Equipment (MTE) to provide protective and operating facility for unsalle electronic test equipment, repair equipment and techniclans. Outside dimensions: L. 163 in., W. 83 //, in., H. 87 in., Gross weight: 1850 lbs (Max). Laminated foam atuminum construction. Due to changes and updated information, this APPI cancels and supersedes MI-COM APPI No. i. Confidential Clearance required to obtain tils APPI. USAMICOM.

APPI No. MI-38. Shiftelagh, Container Assembly, shipping and storage, guided missite are containers.

to obtain this APPI. USAMICOM.

APPI No. MI-38. Shiticiagh, Container Assembly, shipping and storage, guided missile are containers used in packing 152mm missiles and are designed to withstand ait conditious encountered in handling, storing and transportation of missiles. No Federal Stock Number assigned, CONFIDENTIAL Clearance required to obtain APPI. USAMICOM.

APPI No. MI-57. Alignment Test Set, Transmitter, Shiliciagh. This is an optical device (telescope) which is temporarily mounted on the transmitter to verify the nectianical alignment of the transmitter with respect to the telescope in sighting the target. No Federal Stock Number Assigned. Procurement may be a small business set-aside. Confidential Clearance required to obtain APPI. USAMICOM.

APPI No. MI-58. Chaparral Missile Launch and

required to obtain APPI. USAMICOM.

APPI No. MI-58. Chaparrai Misslie Launch and Control Pailet mounted on GFE tracked vehicle with Organizationai and Fleld Malntenance Shop Sets. The pallet is constructed as a self contained unit with a central gumer's turrett with 4 launch rails, 2 on each side. The Launcher and Control Pallet is capable of being renoved from the vehicle and temporarily mounted on other vehicles or on the ground. No Federal Stock Number Assigned. CONTIDENTIAL Clearance required to obtain APPI, USAMICOM.

pround. No Federal Stock Number Assigned. CON-FIDENTIAL Clearance required to obtain APPI. USAMICOM.

APPI No. MI-59. Container for Redeye Launcher. The existing container is constructed of two .080° thick 6061 T4 aluminum shells, top and bottom, which are closed with 10 cam latches. The shells have 15 internal supports which provide rigidity and hold the Redeve Launcher in place. The supports are constructed of 6061 T4 aluminum and non-rigid polvurethune foam in accordance with Spec MIL-P-26514 type II class 2. The container possesses a permanently attached gasket, must be watertight when closed, must meet environmental test MIL-E-5272, and withistand a temperature range of -65°F to 1-180°F. Overail dimensions of the container are 54.5° long x 15.5° wide x 12.5° high, While this design is acceptable it is not final. Design proposals to reduce weight and cubage of the container withint sacrificing protection are solicited. No Federal Stock Number assigned, Procurement may be a small business set-aside. Confidential Clearance required to obtain APPI. USAMICOM.

APPI No. MI-66. The Forward Area Contact Support Set (FACSS) (Shillelagh Missile System) includes a Transmitter Beam Pattern Analyzer. Guidance Set Group Analyzer and an Accessory Case, each contained in a waterproof case. The FACSS is used to perform the functions of measuring transmitter beam intensities, ratio of beam intensities and fault isolating a removable major item of the Shillealgh Guidance Set Group installed in the Sheridan or M60 A1ET vehicle. No Federal Stock Number assigned. Requirements for fiscal year 67 are for sub-contracting opportunities only and request for additional information should be directed to Aeronntronics Inc., Newport Beach, Calif. Metbod of procurrement for fiscal years 68 and 69 will be competitive negotiation. Confidential Clearance required to obtain APPI, USAMICOM.

APPI No. MI-68, Overpack, Missile. Tow Missile System, Structure consisting of a wirebound wooden box, with 3 sets of internal intermediate wooden cleats

MICOM.

APPI No. MI-69. Control Surface Actuators. Tow Missile System. Two position, linear-stroke, Hellum-Gas operated actuators drive the unissile control surfaces. Extension of the control surfaces from the folded position activates the system, releasing compressed gas from the storage bottle into a manifold. Variation in the dwell times at the ends of the stroke actileves the effect of proportional control surface deflection without the high cost of proportional-deflection actuators. No Federal Stock Number assigned. Confidential Clearance required to obtain APPI. USAMICOM.

APPI Nn, MI-71. Tripod. Launcher. Tow Missite System. A folding tripod with adjustable less provides a level and rigid base for the launcher. Tripod shall be of a durable and light weight material. No Federal Stock Number assumed. Confidential Clearance required to obtain APPI. USAMICOM.

Federal Stock Number assigned. Confidential Clearance required to obtain APPI. USAMICOM.

APPI No. AII-70. Adapter and Stowage Kit, M274
Vehicle. Adaption hardware for mounting the Tow
System on the M274 (Mule) Vehicle has existed for
some time and considerable testing has been accomplished the adapter kit consists of the following
items: Two saddles elamped across the bed support
5 spare rounds which are held in by quick-release
metal bands. The Tripod earried crosswise of the
vehicle forward of the spare rounds held by a
quick-release metal band and a coupling flange. A
pallet supporting a pedestal mounting the traverse
unit. a coupling ring for the traverse unit. and a
support for the electronic unit. No Federal Stock
Number assigned. Confidential Clearance required to
obtain APPI. USAMICOM.

APPI No. MI-72. Adapter and Stowage Kit M151
Vehicle. Tow Missile System. The M151 Adapter is
a two jeep concept. The first or lead jeep will
carry two crew members. a center mounted ftring
pedestal also stowage for the TOW Launcher traversing unit, electronic unit and two missiles. The two
missiles are stowed in saddle brackets in the rear
of the jeep. The Adapter Kit is easily mounted on
the M151A1 or M151A1C with only minor modifications to the vehicles. The TOW can be either flred
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from the vehicles. The TOW can be either flred
from the vehicle or dismounted by quick release
fasteners to establish a ground mode configuration
within the required reaction time. No Federal Stock
Number assigned. Confidential Clearance required
to obtain APPI. USAMICOM.

APPI No. MI-73. Adapter and Stowage Kit, M113
Vehicle, Tow Missile System, The M113 vehicle

APPI No. MI-73. Adapter and Stowage Kit, M113 Vehicle, Tow Missile System, The MI13 vehicle adapter is a stowage firing kit for the TOW Missile that can be installed in the field. It consists of a mechanical deployment mechanism for the TOW mechanical deployment mechanism for the TOW launcher and additional brackets and racks for storing the missiles and launcher equipment. The principal components of the deployment mechanism are a pedestal support rail assembly, pedestal support, and telescoping pedestal which facilitate deployment of the launcher to a firing position above the deck of the vehicle. No Federal Stock Number assigned. Confidential Clearance required to obtain APPI. ISAMICOM assigned, Confidentia APPI, USAMICOM.

APPI. USAMICOM.

APPI No. MI-75. Guidance Set for Launcher, Tow Weapon System. The guidance set provides facilities for battery Installation, and contains the electronte circuits necessary to develop system operating and control voltages. An additional function is to electrically convert information developed by the sight/sensor and traversing unit into missile command link signals. The guidance set consists, primarily, of a chassis assembly, power supply, and six printed circuit cards which are installed in the chassis assembly. No Federal Stock Number assigned. This APPI is released for sub-contracting opportunities only, Prime Contractor is Hughes Aircraft, Culver City, California. Confidential Clearance required to receive APPI, USAMICOM.

APPI No. MI-76. Container, Tow Weapon System.

City, California, Confidential Clearance required to receive APPI, USAMICOM.

APPI No. MI-76. Container, Tow Weapon System. The Tow Missile container is a fiberglass/epoxy container that provides environmental protection for the missile durling storage and hauling. It incorporates seals that are not broken until the moment of firling, allowing the missile to be unloaded from the launcher without loss of its environmental protection. Mechanical alignment and electrical connection to the launcher are proveded automatically as the container is loaded and locked into the launch tube. No Federal Stock Number assigned. This APPI is released for sub-contracting opportunities only. Prime Contractor is Hughes Aircraft, Cuiver City, California, Confidential Clearance required to receive APPI. USAMICOM.

APPI No. hII-77. Traversing Unit for Launcher, Tow Weapon System. The traversing unit is an electro-mechanical assembly which is attached to the tripod during ground engagement. It provides mechanical support for the launch tube, slight/sensor, and missile as well as the necessary electrical connections between the launcher and missile. The traversing unit consists of a trundon and bridge clamp, viscous damper, rate tachometer generators, and a trigger for actuating the electrical firing sequence. No Federal Stock Number assigned. This sequence. No Federal Stock Number assigned. This sequence. No Federal Stock Number assigned. This converse is the prime Contractor is Hughes Aircraft, Cuiver City, Calif. Confidential Clearance required to receive APPI. USAMICOM.

APPI No. MI-78. Sight/Sensor Unit of Launcher, Tow Weapon System. The sight/sensor compares the

ceive APPI. USAMICOM.

APPI No. MI-78, Sight/Sensor Unit of Launcher, Tow Weapon System. The sight/sensor compares the Instantaneous line of sight from the launcher to the missile with the instanteous line of sight to the target. This comparison establishes the amount of correction required by the missile at any moment during the flight. The sight/sensor consists of an optical sight, an infrared sensor and associated electronic circuits including a preamplifier, boresight circuits, and a reference resolver. No Federal Stock Number assigned. This APPI is released for sub-contracting opportunities only. Prime Contractor is Hughes Aireraft, Culver City, Calif. Confidential Cicarance required to receive APPI. USAMICOM.

APPI No. FA-57. Ball Bearing Screw Assembly P/N 10522056. This device actuates the canopy of the M8 Remover. This is a component part of the M5 Drawings and specifications for the item will be available at the time of solicitation. Projected quantity is 50 devices—required delivery being fixed months after the date of award of the device. Make the security clearance is required to receive the APPE There is no Government Furnished Property requirement or Technical Manual requirements on neeted with the procurement of this item. USA.—MUCOM. MUCOM.

MUCOM.

APPI No. FA-58. M8 Motor Canopy Remove of the M8 Remover. This is a component part of the M8. Drawings and specifications for the item will be available at the time of solicitation. Projected eight months after the date of award of the device of the many of the many of the device of the many o

MUCOM.

APPI No. FA-59. M27 Initiator. It is a designed which elects the alternaft's seat. This device is mechanical operated firing mechanism which a triggered by the cartridge. This item is considered a highly complex precision device. It is classified as hazardous item. The device is subject to rigid safety control during the course of manufacture of the safety of the control during the course of manufacture and specification for the item will be available the time of solicitation. Projected quantity is a safety of the safety

record construction for shot shell record construction for shot shell record construction as specified on twiff of Complete essembly is loaded of the first shear of grains powder, repeated and MIL-P-23. Assembly the control of block product, primer control of the dependent primer control of the twist destructions from the second for the second productions from the first term Manufacturing from the first term Manufacturing from the first term Manufacturing from the first term applicability and the first term applicable specification of the control of the receive APPI. AP-

APPI N. AP MELS For each of 1 Federic APPI. APPING APPING

APPI So. APSIBA4 fine, MTsQ, Mfst w/Detothere's and approximately 2.4" max

APPI So. APSIBA4 fine, MTsQ, Mfst w/Detolevis and approximately 2.4" max

approximately 2.4" max

consisted approximately 2.4" max

approximately 1.66

Apple 1.64 approximately 2.4" max

consisted approximately 1.66

Apple 2.64 approximately 1.66

Apple 2.65 approximately 1.67

Apple 2.65 ap

APPI No. AP-40R-2. Case, Cariridge, 105mm, M 14B4, MPTS Assy. This cartridge case is 4.211" max OD x approximately 14.64" L, /3 / components, Body, 14.142" L x 4.211" max OD at month, material, steel, 1007 to 1020, cold-rolled, finish No. 1, Specification QQ-S-698, 024 - 0.06" tlick. Body to be wrapped from a trapezoidal blank so as to provide three thicknesses of metal at base and one hickness at the mouth, /with overlap at month/. Base, 4.688" OD x .55" thick with step diameter 4.344" x .372" W and centered primer case hole 546" 1D with .63" counterbore, material, steel, special bar quality. ASTM Specification Al07, Collar, 4.04" OD x .35" thick, formed ring, 2.56" 1D with V-notch at bottom and angled lip, material, steel, special bar quality, ASTM Specification Al07. The three /3/ items, phosphate conted and varnished prior to assembly. This item is extremely difficult to manufacture to applicable specifications. Manufacturing firms bidding this item will require a highly competent technical staff of engineers, metallurgists and tool design engineers to design, fabricate and maintain precision tools for mass production of this item. No clearance required to obtain APPI. AP-USAMUCOM.

APPI No. AP-5IR-2, Rocket, Motor, 66mm, M54, is approximately. 1 10"

USAMUCOM.

APPI No. AP-5IR-2. Rocket, Motor, 66mm, M54, is approximately 1 1/2" D x 10" L, made from aluminum alloy, extruded with six integral fin lings on the nozzle portion for attachment of six folding fins. The assembly coolsts of (20) component parts shown on (6) Ordinance drawings with (11) applicable specifications. The motor requires machining, drilling and reaming, milling and threading, heat-treatment and surface treatment. Mannfacturing firms biddirg on this item will require a technical staff of engineers, metallurgists and tool engineers to design and maintain precision tools for mass production quantities normally required by ordinance. This item is considered difficult to manufacture. No clearance required to receive APPL AP-USAMUCOM.

APPI No. AP-52R-2, Fuze, Rocket, M412 is pro-

sign and maintain precision tools for many tion quantities normally required by ordnance. This item is considered difficult to manufacture. No clearance required to receive APPL AP-USAMUCOM.

APPI No. AP-52R-2, Fuze, Rocket, M412 is procured with explosive loaded detomator electric M48 and primer stab-796, 1.86° L x 1.245° D at the base. Consists of 69 component parts shown on 80 ordnance drawings, including assembly drawings with 7.87 applicable specifications. Five /5/ major components consist of base mounting approx 1.245° D x approx 636° L, various drilling, milling, tapping, forming of slots, holes and deburring is required on this part. Material: aluminum base alloy, die easting. Minor components in base mounting consist of weight, spring retaining, pin firing, spring firing pin, plug base, and screw base, springs shall not break when extended or distortion. Support rear is approx minimum permanent distortion. Support rear is approx material submaners of the point of minimum permanent distortion. Support rear is approx material process. In the Amaterial: Code-rolled carbon steel strip, No. 2 finish No. 4 or 5 temper, ASTM A10S, Minor components assembled to support are bushing, pinion gear, stud pallet, and wheel star. Rotor is approx fapping, forming of solts and deburring is required on this part. Material: aluminum alloy, rod, temper rear rotor, rotor contact, screw contact, pin rolor, insulator rotor, washer, screw set, rivets, defonator, insulator rotor, washer, screw set, rivets, defonator, support Setback is 1.144° max x approx .893° x approx .032° thick. Material: cold-rolled carbon seel strip, No. 2 finish, No. 4 or 5 temper, ASTM A109, Minor components assembled to the rotor nre insulator, efficient sasemble, pining ground, spring leaf No. 2 and 3, stud leaf No. 1, 2 and 3, washer stud, telltale insulator, leftlale insulator bushing, telltale rivet. Cold-rolled carbon steel strip, Manufacturing firms confidence. This item is very difficult to manufacture No. clearance required to obtain APPI AP-

and assemble to stay within applications specification of Naval Weapons, Washington, D. C., to Navigor the Carance required to obtain APPI AP-USA-APPI No. AP-53R-2, Watbead, 66mm, Rocket, HE, approx 9.7 L. Rody Head is approx similarly 2.5/8" D x 1.8 MPTS Assembly is approximately 2.5/8" D x 2.588" D at large end and approx 1.129" D small x approx 2.598" D at large end x approx 5.79" L D at small end, material: steel, strip. Ogive is approx 5.79" L approximately 2.604" D material: alminimm alloy, sheet and crimped. Insulator is approx 3.129" L x approximately 2.604" D material: molding plastic and molded plastic parts; 1.98" OD and 0.65" ID, material: two long of plastic and molded plastic parts; 1.98" OD and 0.65" ID, material: two long of plastic and molding plastic and molded plastic parts; 1.98" OD and 0.65" ID, material: two long of plastic parts; 1.198" OD and 0.65" ID

APPI No. AP-116. Casing. Burster, MI58—On piece design, approximately 8.23" I. x 2.60" OD a flanged and necking down through 2/8 and 1/4 radli at 2.844" to a .57" OD for the remainder of the length of the coating, .073" will tildekness a small end with varying thickness at flamped end interior of flanged end threaded with a 2-12NA-II thread to 1.30" minimum effective thread to 1.30" minimum effective thread from the annular grooves of .06" radius and at surface flush belween 16 and 32 FMS on the OD at the large end, material, aluminum alloy, 6061-T6, Specification ASTM-B211 and ASTM-B221. Burster rasing must withstand an internal air pressure of 200 PSI minimum for one minote without leakage. Marinfacturing firms bidding on this Item will request at technical staff of engineers, metallurgists and tool design engineers to design, fabricate and madutaln precision tools for portherion. This Item is considered difficult to produce to applicable specifications. No clearmee required to receive APPI, AP-USAMUCOM.

APPI No. AP-117. Fin Assembly, M2, 1760ma

lo produce to applicable specifications. No clearance required to receive APP1. AP-USAMUCOM.

APPI No. AP-117. Fin Assembly, M2, 1/60mm Morlar — 2.375" D x 2.535" 1. and consists of two components. Cartridge Container, 94" D x 2.420" L, one end bas .658" D bore extending lo depile of 1.86", with .75 18NS-2B Internal threads. 4" minimam depth, and n. 830" D x .066" D counterbore. The other end has a shoulder .365" from end and is threaded externally .625-18UNI-2A x .265" L. Sixleen .1865" D holes extend radially through the sidewall into the .658" D cavily at various localions, material, steel bar, carbon, CF, Grade 1137, Specification ASTM A188, Fin .0625" thick x 1.90" L, single piece construction consisting of two blades and a hub area. Blades are .718" W. 52 degrees apail and storted .20" W x .82" L. Hub area contains two .25" D holes prior to forming aff the .47" hub radius. Four fins per assembly are located on 90 degree centers and copper handed to cartridge container. Final protective finish, Specification Mil. STD-171. finish number 5.1.1 and 20.1, olive drib number X34087. The fin assembly is considered not difficult to produce. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-118, Ping, Lifting (/M437A1 — 2.45" D x approx 3.27/12" L gestelly desired and 20.1.

number X34087. The fin assembly is considered for neutral difficult to produce. No clearance required to receive APPI. AP-USAMUCOM.

APPI No. AP-118. Ping. Lifting f/M437A1 — 2.45° D x approx 3-27/32° L. eyebolt design, 2° NS threaded base, eve diameter 1.23°, muterial, steel forging. Spec. MIL-S-13048. alternate maltenhie iron, casting, Spec. MIL-S-13048. alternate maltenhie iron, casting, Spec. OO-I-666. Surface finish zinc or iron phosphate base. Spec. fmish No. 5.1 of MIL-STI detail Spec. TT-C-490, sait spray less not mindatory, followed by paint system 20.1 or 20.2 of MIL-STI followed by paint system 20.1 or 20.2 of MIL-STI. Color green No. 34087 or Fed. Std. 595. Threaded base to be coated with silicone compound, D6-6, supplied by Dow Corning or GIE-81508 supplied by General Electric or any acceptable compound evaluated as acceptable by the responsible Pingineering Agency. Teasion test of 8.009 point regoired. This item is not considered difficult to mainfacture to applicable specifications. Not elementice required to receive APPI. AP-USAMUCOM.

APPI No. AP-119. Projectile. 106. HFP-T. M346-AI, MPTS — Approx. 15.1° L. x 4.128° (11). The component parls are: Body upprox. 15.1° I. x 4.128° (21). The component parls are: Body upprox. 15.1° I. x 4.128° (20). The boloid shaped rose, with routing band grooves, steel, nonresulphurized, spec. ASTM 107. Rotating shielded method, material, copper, RC11-1, Spec. Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Band, approx. 0.35° thick overlay weld hy here gas Ban

USAMUCOM.

APPI No. AV-179. Circuit Breaker. Trip-free, Push-pull. 1/2 thru 10 amp. Appl., II-23 Hellenpler. FSN 5925-985-8319. This is an item on QPL list Bureau of Naval Weapons, Washington, D. C., to ance required to receive APPI USAAVCOM.

APPI No. AV-180. Tire, Pusumatic, Aircraft. Nose should accordance with MIL-T-5041. Type 6. FSN 11.50, the in accordance with MIL-T-5041. Type 6. FSN cerns should contact Wright-Patterson Air Force tion. No clearance contact wright-Patterson Air Force tion. No clearance required to receive APPI USA-AVCOM.

APPI No. AV-181. Tire, Pusumatic, Aircraft Size, APPI No. AV-181, Tire, Pusumatic, Aircraft Size,

No. OV-1. In accordance with MIL C-22284, Type CF2D. FSN 1680-980-9550. No clearance required to receive APPI. USAAVCOM.

APPI No. AV-183. Bag. Cargn. Aerial delivery, collapsifile, alive drab, material idata: cotton duck, container, 2200 lb. capacity. O/A dlim., 232 in. long opened. 211 in. wide opened. In accordance with MIL-C-7554. Revision C. type A22. This solicitation will be 50% set-ansite for small business concerns. FSN 1670-242-9169. Nn clearance required to receive APPI, USAAVCOM.

APPI No. AV-184. Parachute. Cargo, Extraction

APP1. USAAVCOM.

APPI No. AV-184. Parachitte, Cargo. Extractlon, canopy, 22 fl. illa., olive itrab, nylon, flat circular, size packed 24 in. long, 15 in. white, 8 in. helpht. Major components inet. canopy, hag, extraction line, adapter, link connector, in accordance with MILP-7620B and 9401A and U. S. Alr Force drawing 59B6209. Revision F. FSN 1670-687-5458. No clearance required to receive APP1. USAAVCOM.

APP1 No. AV-185. Puel and Oil Kit, Filter Element. Appl., UH-1, Acft. in accordance with AVCOM Procurement package No. 204-2490-1. Revision F dateil 16 July 1964, FSN 2945-019-0280. No clearance required to receive APP1. USAAVCOM.

APPI No. AV-186. Container. Shipping and Stor-

APPI No. AV-186, Container, Shipping and Storage Rotary Blades, Appl., OH-23 and OH-13 Alreraft Except OH-13S model. In accordance with AVCOM procurement package 8115 CON-002 with deviations, FSN 8115-D99-6438. No clearance required to receive APP1, USAAVCOM.

nevaluous. Fan 8113-999-6438. No clearance required to receive APP1. USAAVCOM.

APP1 No. AV-187. Maintenance Klt, Hardware, Alrcraft. Appl., CH-47 Heliconter (AN and NAS). In accordance with AVCOM procurement package No. 1560-CH-47-370-1, FSN 1560-227-6443. No clearance required to receive APP1. USAAVCOM.

APPI No. AV-188. Scale. Aircraft, Weighing, 150,000 lbs., max., cap., portable, lncl., carrying ease, electrically operated A. C., 110V, 60 cycle, single phase, DC, 22V to 28V, Indicator, dal, 5100 lb. dial graduations, 10 lb. Increment, In accordance with MIL-W-7327B. FSN 6670-999-1195. No clearance required to receive APP1. USAAVCOM.

APP1 No. WE-74R1. Baud Lower. P/N 554600. Tills is a small arms part for the M1 Rifle. This part can be made from carbon steel parts, brazed and welden at assembly or optionally from precision steel castings. FSN 1005-554-6000. No Security Clearance is required, USAWECOM.

APPI No. WE-182R1, Barrell for Pistol Cal. 45

APPI No. WE-182R1, Barrell for Pistol Cal. 45 M1911A. P/N 7791193. This part is machined from alloy steel bar rifling. Chromium plating, proof firling and magnetic particle inspection required, FSN 1005-722-1849. No Security Clearance is required, USAWECOM.

USAWECOM.

APPI No. WE-187H1. Silile, Service for Pistol Cal.

45. M1911A1. P/N 7790353. This is an assembly of three (3) parts. The principal part, the silde, is machined from alloy steel bar. FSN 1005-876-4033. No Security Clearance is required. USAWECOM.

APPI No. WE-228RI. Brush, Chamber for Riffe 7.62mm Mi4. P/N 7790463. The brush has a total length of approximately 3.4 inches, it consists of an ndaptor and brush asembly, a uall and a driver. Component has capped end on front of wire protrusion. FSN 1005-690-8441. No security Clearance is required. USAWECOM.

APPI No. WE-263. Envelope. Fabric. P/N 7228907.

APPI No. WE-263. Envelope, Fabric P/N 7228907. It consists of boily, binding, and fasteners. Body made from fabric, waterproof, O. D. Spec. 6-365. Binding to be webbing cotton, O.D. Type I JAN-530. FSN 1005-722-8907. No Security Clearance required. USAWECOM.

required. USAWECOM.

APPI No. WE-264. Pin. P/N 5572448. This is a part of a Howlizer, Lt. Towed 105mm, M101A. It is made of sleel, Class B2, Spec. MIL-S-11415, Heat treatment required before grinding and a protective finish must be applied. FSN 1015-557-2448. No Security Clearance is required, USAWECOM.

APPI No. WE-265. Worm, Shaft P/N 5568633. This is a part for a carriage, howitzer, 105mm, M101A1. It is of bronze, manganese rod Spec. QG-B-728 with Brinell hardness of 225 Min. FSN 1015-56-8633. No Security Clearance is required. USA-WECOM.

APPI No. WE-266. Shaft P/N 6159177 This is a part for the 105mm Howitzer. It is made of steel of Spec QQ-S-624 or Spec. QQ-S-633. Protective finish is required. Certain physical properties also exist. FSN 1015-615-9177. No Security Clearance is required. USAWECOM.

APPI No. WE-267. Holster, Shoulder P/N 7142700. Holster is for Cal. 30 Colt and SW2 weapons It has numerous black leather components. FSN 1095-714-2700. No Security Clearance is required. USA-WECOM.

WECOM.

APPI No. ME-2R2, Generator Set, Gasoline Brachen-Driven, 1.5 KW, 28 volts, direct current, afrecooled, portable, lubular frame and shock mounted. Set shall consist of a Government furnished military standard engine, model 2A016, FSN 2805-714-8553 and a 1.5 KW, 28 volt, de generator, Overall dintensions shall be 27 1/2 inches long, 20 1/2 inches wide and 18 1/2 inches high. Net dry weight 115 lbs. Operating (rated) speed is 3,600 rpm. Technical publications, repair parts and maintenance tools

shall be furnished as specified. Set is intended to supply power for general purpose use. In accordance with MIL-G-52283A & Dwg. No. DL 13213E2700, FSN 6115-017-8236. No security elearance required to obtain APPI. USAMEC.

shall be firmished as specified. Set is intended to supply power for general purpose use. In accordance with MILG-52283A & Dwg. No. DL 13128E2700. FSN 6115-017-8236. No security elearance required to obtain APPI. USAMEC.

APPI No. ME-3RI, Generator Set, Gasoline Engine-Driven, 10 KW, 60 eyele, alternating current, air cooled, portable, tubular frame and skid mounted. Set shall consist of Government furnished military design engine, model 4A084, FSN 2805-776-0485 and a 10 KW pf lagging, 60 eps generator. Set shall be connectable for the following voltage rating: 3-plase, 4-wire, 120 volts inc-to-neutral and 208 volts line-to-line (120/208 volts); 3-phase, 3-wire, 120 volts line-to-line (120/208 volts); 3-phase, 3-wire, 120 volts line-to-line (120/208 volts); 3-phase, 3-wire, 120 volts line-to-line; Single-phase, 2-wire, 120 volts line-to-line (120/208 volts); 3-phase, 3-wire, 120/240 volts, Over-all dimensions shall be 37 inches tong, 29 inches wide and 30 inches high. Operating (rated) speed is 3,600 rpm. Technical miblications, repair parts and maintenance tools shall be 100 repair parts and maintenance tools shall mounted by the supplier. Set is intended to supply power for general purpose use. In accordance with MILG-52280B with Amendment 1 and Dwg. No. DL 13211 E4860. FSN 6115-889-1447. No security elearance required to obtain APPI. USAMEC.

APPI No. ME-9RI, Generator Set, Diesel Engine-Driven, 45 KW, alternating current, liquid ecoled, portable, skid mounted, multipurpose, Set shall consist of a diesel engine directly connected by a flexible coupling to a 45 KW, 0.8 pf lagging, 400 cps generator; an excitation system, voltage regulator, finel lank, 24 volt engine starting motor, controls, botterles, battery charging generator and controls, povernor, winterization equipment, weather resistant housing and rigid skid base. Maximum dimensions of set shall be 87 inches long, 36 inches wide and 59 inches high. Set shall be consisted of set shall be provided with an electric bad sensing power for special purpose

S38-8776. No security clearance required to obtain APPI USAMEC.

APPI No. ME-15R2. Scraper, Earth Moving. Towed: Air transportable, pneumatic-tired, hydraulically controlled from the towing tractor with positive control of pickup, hauling and discharge of material by the towing operator. When specified, shall be furnished with a removable dolly so that the scraper may be used as a 4-wheel or as a 2-wheel scraper. Capacity of not les than 18 cubic yards. The components of the scraper shall withstand any amblent temperature from minus 25 degrees to plus 125 degrees F. The seraper shall withstand aperation over unimproved terrain, convoy operations, and earthmoving operations under varying weather conditions and on 20 percent side stopes without breakage or permanent deformation. Shall load undisturbed soil, haul, dump or spread the soil, operate at max, speed of 25 mph and an average speed of 20 mpl wheo hauling heaped loads. Load, without the use of a pusher tractor, undisturb soil to a struck capacity 18 cu. yes, in 75 to 99 seconds. Cut at all depths from ground level to 15 inches below ground level. The scraper bowl shall be of the front loading, open-bowl type complete with apron, blade base, ejector, cutting edges, and side bits. A push

plate shall be provided at the rear of the scraper, also one or more rear towing hooks able to with-stant a pull of 160,000 pounds, min. throat opening 1 1/2 inches. Scraper shall be provided with tie-down attachments. Scraper is intended for general earthmoving work in the construction of roads and airfields. In accordance with MIL-S-52271. No security clearance required to obtain APPI. USA-MEC.

MEC.

APP1 No. FE 17R2, Generator Set, Gasoline Engine-Driven, 3 KW, 60 cycle, alternating current, 0.8 pf lagging, air cooled, portable, tubular frame, skid-shock mounted. Set shall consist of a Government furnished military design engine, model 4A032, FSN 2805-776-0843 connected to a 3 KW, 60 cycle, ac, 0.8 pg generator. Set shall be connectable for 3 phase, 4 wire, 120 volts line-to-neutral and 208 volt line-to-line (120/208 volts), 3 phase, 3 wire, 120 volts line-to-line (120/208 volts), 3 phase, 3 wire, 120 volts line-to-line (120/208 volts), 3 phase, 3 wire, 120 volts line-to-line (120/208 volts), 3 phase, 3 wire, 120 volts line-to-line (120/208 volts), 3 phase, 2 wire, 120 volts line-to-line (120/208 volts), 5 phase, 2 wire, 120 volts line-to-line, single phase, 2 wire, 120 volts line-to-line (120/208 volts), 5 phase, 5 wire, 120 volts line-to-line, single phase, 2 wire, 120 volts line-to-line (120/208 volts), 5 phase, 5 wire, 120 volts line-to-line, single phase, 5 bit, 3,600 rpm operating (rated) speed. Set shall not be damaged by storage in temperatures from plus 155 degrees F to minus 65 ilgerees F at any relative humidity. The set is intended to supply power for general purpose use, In accordance with MIL-G-52367A, Type I and Dwg. No. DL13208E5800. FSN 6115-017-8237. No security clearance required to obtain APPI. USAMEC.

API No. AT-79R2. Engine, Multi-Firel W/Container. The ORD 5702723 (ORD 5702863) engine assembly was originally released in August 1966. Provision of this revision is adjustment of quantities. FSN 2815-911-3645. No clearance required to obtain APPI. USATAC.

APPI. USATAC.

APPI No. AT-135. Cover Assembly. The ORD 8382966 cover assembly is used for the 3/4 Ton, 2 Wheel Cargo Trailer, to protect cargo from inclement weather and unfavorable conditions during vehicle operation. This cover assembly consists of following components: (a) #8 processed duck (b) grommets (c) the down ropes (d) strap assemblies (e) rivets. SNL-APP G748. FSN 2540-513-9794. No clearance required to obtain APPI. USATAC.

clearance required to obtain APTI. USATAC.

APPI No. AT-136. Armature Assembly, Engine Generator. The ORD 7413317 Armature Assembly is the rotating member of the generator assembly and a major component of the vehicle electrical generating system. This armature assembly consists of following components: (a) laminated Iron core (b) copper coll windings (e) copper commutator (d) insulation (e) steel shaft (f) mica separators. SNL APP—Multiple. FSN 2920-741-3317. No clearance required to obtain APPI. USATAC.

APPI No. AT-137. Wheel Assembly, Pneumatic Tire. The ORD 7355430 wheel assembly is a major component of the traction system for military traliers and accommodates an 11.00 x 15 tire. This assembly consists of following components: (a) steel wheel (b) steel wheel ring. SNL APP—Multiple. FSN 2530.693.0969. No clearance required to obtain APPI.

APPI No. AT-138. Regulator, Engine Generator, The ORD 10947439 regulator assembly is a major component of the electrical system for military vehicles. This regulator assembly is of the carbon pile type and rated at 100 AMP—28 volt for use with selenium or silicone rectifiers. SNL APP—with selenium or silicone rectifiers of the carbon delication of the carbon pile type and rated at 100 AMP—18 volt for use with selenium or silicone rectifiers. SNL APP—Multiple. FSN 2920-900-7993. No clearance required to obtain APPI. USATAC.

APPI No. AT-139. Crankshaft, W/Oil Plugs and GAA6300A2 Retainer. The 23040-GAA6300A1 and GAA6300A2 Crankshaft Assembly is a major component of an 8 cylinder, V8 type, 500 HP gasoline engine used in military tracked vehicles of the M4 and M36 series. SNL APF—Multiple. FSN 2805-350-4547. No clearance required to obtain APP1. USATAC.

ance required to obtain APTI, USATAC.

APPI No. AT-140, Carburetor Assembly, The ORD 1092911 carburetor assembly is a major component of the fuel system for a 4 eylinder, 71 HP OHV gasoline engine used in a 1/4 Ton 4 x 4 military wheeled vehicle. This assembly consists of following components: (a) air horn (b) throitle body (c) main body (d) float (e) cover (f) jets (g) gaskets (h) venturi (i) throttle plates (j) shaft (k) miscellaneous lardware. SNL APP G838, G293, FSN 2910-788-8457. No clearance required to obtain APPI, USATAC.

APPI No. AT-76R4. Shoe Assembly Track, T130, This ORD 10866003 shoe assembly was originally released in July 1966. Provision of this revision is adjustment of quantities. FSN 2530-930-2011. No clearance required to obtain APPI, USATAC.

APPI No. AT-76R5. Shoe Track, T136. This ORE 10954051 track sloe assemblyw as originally released in July 1966. Provision of this revision is adjustment of quantities. FSN 2530-799-0020. No clearance required to obtain APPI, USATAC.

APPI No. AT-76R6. Track Shoe Assembly, T91E3
This ORD 7952165 track shoe assembly was original
by released in July 1966. Provision of this revision
is adjustment of quantities. FSN 2530-795-2165. No
clearance required to obtain APPI. USATAC.

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Sport No. (Clark), Squares Drive NMSOL This control has proceed as a crizinally released to the following to change in the process of the control of the con

APPT No. APPORA R. of Wheel, M41-42. This continues in the continues of the released in the continues of the released in the continues of the release. No electrone required to apply landfact.

#### NOTICE

the fellowing is a reprint from COMMERCE BUSINESS DAILY if The had by the U.S. Dept. of Commerce, Chicago, Ill.) issue, deted May 1, 1967 page 2, No. PSA 3661 and the potential suppliers murce of information (Name and Address of Installations) will be found on page 2, top of actured I has three paragraphs.

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APPER S. P. W. Free researching Apparatus, the Milat is \$1.420.926.9485).

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APPI No AP 98.2. Geril Detensiting, Reinforced in APPI. EA. APPI No AP 98.2. Geril Detensiting, Reinforced in APPI. Service distribution of 175° of Class El, testile cover, and the service requirements in MILC-17124B as max for local minimum breaking the foreign of the control of the foreign of the foreig

APPI No. AP. 1882. C. C. Cantridge, MITR, 40mm in the control of t

FED-STD-595. MIL-STD-795. Plug Base, .4995" D x .28" L with precision bore, counterbore, and connersink. Material, aluminum alloy, bar, .2024-T4. Spec. QQ-A-200/3a, or aluminum alloy, bar, .2024-T4. Spec. ASTM-B211. Protective finish, annodize, Color shall be same as case. Cup. Powder Charge: "Cup Shape". .406" D x .365" H x .0055" wall thickness with flared mouth to .490" D, material, hiass strip, annealed, No. 6, Spec. ASTM-B-36. Finished cartridge case must withstand a series of rigid tests such as hydrostatic test of 48,000 psl min, 240 hour salt spray test, hardness and pull test. Contractor shall provide and maintain an effective Quality Assurance System. This item is considered very difficult to manufacture to meet applicable specifications by mass production methids. No security cleatance required to obtain this APPI. AP-USAMUCDM.

APPI No. AP-36R-2. Projectile, HEAT, 106mm.

Ouality Assurance System. 1115 meet applicable very difficult to manufacture to meet applicable very difficult to manufacture to meet applicable very difficult to manufacture to obtain this APPI. AP-rive clearance required to obtain this APPI. APPI No. AP-36R-2. Prolectile. HEAT, 106mm. M344A1 with M8 Fin. MPTS—This projecille Assembly. 16.43" L x 4.128" In D. consists of 10 comed followed by a radius, a reversa angle taper. L x 4.128" OD. 3.555" ID, counterbored and internally threaded on both ends, 2 bontrelets and an annular groove on the DD, material, steel, tobling, seamless. Special Bar Quality, Spec ASTM-A107; Ogive 8.116" L, hollow truncated come with a 4.11" OD tapering to 1.3713" on the opposite end, 1.14" wall thickness, external threads on both ends, material, steel, forgaing. Special Bar Quality. Specification ASTM-A107 or steel, cold extrusion, Specification MIL-S-11310; Cone. 3.819" L, hollow truncated cone, closed on the small end, 3.564" OD tapering to approx 6.16" on the opposite end, 1.0" wall thickness, material, copper, strip, cold-rolled, deep drawing annealed, Spec QQ-C-576; Chamber, 3.14" L x 3.938" OD, external thread on one end, internal thread on other to 10.15 Spec QQ-T-830, other parts are pin- 6 each, 1 1-7/8 thread, a counterbore and a 1,264" through hole with 4 equally spaced hole w

tiens. No security clearance required to obtain this APPI. AP-USAMUCOM.

APPI. No. AP-44R-2. Projectile, 105mm, HEP-T, M39A2. MPTS-15.84" L x 4.125" OD, /3/ components consisting of Body Assembly, 15.34" L x 4.123" approx. 30" to .135", parabola shaped nose, /2/ end, material, steel, carbon, ASTM A107-58T, method and grooves, counterbore and threaded base chanical properties, yield strength 70,000 PSI, elongation 10 percent. Rotating Band Blank, /2/ 4.14" ID action 10 percent. Rotating Band Blank, /2/ 4.14" ID metal. Spec. MIL-B-2022. Body and two rotating band assembly must withstand an internal air pressure test of 100 PSI minimum for 15 seconds. Plug Bags, 3.04" L x 4.06" DD of shoulder, /2/ two holes Closing, 010" thick x .66" D of material brass alloy require a highly competent technical staff of engineers, metallurgists, chemists and tool design engineers to design, fabricate and maintain precision tools required to mass produce. This projectile is

considered very difficult to produce to applical specifications. No security clearance required to obtain this APP1. AP-USAMUCOM.

considered very difficult to produce to applical specifications. No security clearance required to obtain this APP1. AP-USAMUCOM.

APP1 No. AP-48R-1. Case. Cartridge, 40mm and this APP1. AP-USAMUCOM.

APP1 No. AP-48R-1. Case. Cartridge, 40mm and this APP1. AP-USAMUCOM.

APP1 No. AP-48R-1. Case. Cartridge, 40mm and the case of the case, method of lest of the month and base of the case, method of lest 243 of Federal Standard No. 151, and corroston resistance shall be tested in accordance with Federal Standard No. 151, and corroston resistance shall be tested in accordance with Federal Standard No. 151, and corroston by mas production methods. No security clearance required to initial maintain an effective Quality Assurance System. This flem is considered very difficult to maintain this APPI. AP-USAMUCOM.

APPI No. AP-61R-2, Projectile, 40mm, Praetic, Ma07A1 consists of three /3/ companents, Ogive shall and Skrit. Ogive, formed parabula shape, 1.51° ID at base x 1.25° H x 0.28° min thickness, material aluminum alloy, sheet and piale 1100-0. Spec ASTM. B209, .032° plus or minus the case of the cavity of the ball, and threads to withstand a torque of 100°/punnuls and bardinesive and specifications. Confi

drawings and specifications. Confidential Creations is remirred to receive this APPI. AP-USAMICOM.

APPI No. AP-70R-I. Projectite, 40mm, IBE, M384, MPTS—consists of holy and blank bund. Body is approx 1.855" L x 1.558" max D. florily is bont with from mouth of body. Holy tall base and side walls are approx 1.07" thick. Holy has Inside threats deeply embossed with a radial earl wheel configuration. Body is to be impact extrusion material 1030 steel ASTM 107-61T special quality. Alternate method of manufacture to be drawn from plate material, 1030 steel plate, spec QO-S-700B. Blank band is tubing copper seamless, spec W-W-T-606, 365" L x to be swaged to band seal of body and two grooves sembly to be phosphate content and painted officers. Bunchined in body rearward of the hand. Body assembly to be phosphate content and painted officers and the facture to drawing and specification requirements, APPI. AP-USAMUCOM.

APPI No. AP-102R-1. Projectile, 105mm, 116, Ml.

APPI. AP-USAMUCOM.

APPI No. AP-102R-1. Projectile, 105mmt, 116, Ml, MTS—Consisting of three components. Body Shell 15.7" L. O. D. at base 3.52", below rotating band groove 4.128" OD, 4.10" OD of bouly, 4.128" at bourrelet and tapered to 2.38" OD at the nose, chine and knarred for rotating band. Nose of projectile and groove is majectile has interior threads 1.39" min full thread. Exterior of nose end has five staking notches equally spaced, .66" depth x .08" D. Material: forging steel, namifactured by cold extrusion process use specification MIL-F-13854, alternative when shell is namifactured by cold extrusion, use specification, PP-D2-96. When produced by hot cup, cold draw not be used, Yleid strength 1.7%, 65.00 PSI, cloungation 15%. Specification MIL-F-13854 not applicable when produced by cold extrusion; 65.00 PSI, cloungation 15%. Specification MIL-F-13854 not applicable forged cup when produced by hot cup cold draw when produced by cold shaping and only to the process. Rolating band 4.16" ID, .197" thick x .865" W, assembled to projectile cold. Material: Gliding metal specification MIL-B-20292 or Sintered Iron, Class 4. Specification MIL-R-11073. Cover base 3.01"

D x 03117 thick material: Steel, strip, FS1009 temper No. 4, finish No. 1. A suitsinctory passing of a ballistic test in requirement for the acceptance of each to of solectiles from the metal parts manufactor of the control of the requirement of the the control of the control

APPI No. WE-269. Lock, Gas Cylinder, P/N 7455871. This is a repair part for the Cai, 30 M1 Riffle. It is made of steel with heat treatment and final protective finish requirements, FSN 1005-726-5871. No Security Clearance is required. USAWE-COM. сом

COM.

APPI No. WE-270. Screw. Gas Cylinder, P/N 6535449. This is a small arms part for the Cal. .30 M1 Rille. It is made from corrosion resisting steel, Fed. Spec OO-S-763. Class 6 as rolled except as noted on drawing. Heat treatment required and final protective finish to Spec Mil-F-13924 Class 3. FSN 1005-653-5449. No Security Clearance is required USAWECOM.

APPI No. WE-271. Mechanism, Assembly, Firing, P/N 7140325. This is a component of the 3.5 Rocket Launeher. It is a plastic-molded item with a firing mechanism assembly and grip assembly. It is considered moderately difficult to manufacture. FSN 1055-714-0325. No Security Cleanance is required. USAWECOM.

sidered moderately diment to manufacture. 1935.714-0325. No Security Cleanance is required. USAWECOM.

APPI No. WE-272. Amplifier. P/N 10515532. Part of Radlo Set AN/GRC19. This electronic control amplifier is in accordance with Signal Corps drawing SMD-143396 less 4 tubes, 4 shield Sand 1 clopper. It is considered moderately difficult to manufacture. FSN 5990-584786. No Security Clearance is required. USAWECOM.

APPI No. MI-61R2. Contract Definition Phase for the Simulator Evaluator AN/MPQ-42. This is that phase during which preliminary design and engineering will be verified and/or accomplished, and firm contract and management planning will be performed on the Simulator Evaluator AN/MPQ-42. The AN/MPQ-42 is a complete Air Defense Complex exerciser and evaluator that will be moved from unit to unit and defense where it will be compected to tactical equipment for conducting evaluation and training to maintain the highest state of combat readiness. No Federal Stock Number assigned. No clearance required to obtain APPI. USAMICOM.

APPI No. MI-73R1. Adapter and Stowage Kit. M113 Vehicle. TOW Missile system. The M113 vehicle adapter is a stowage liring kit for the TOW Missile that can be installed in the field. It consists of a mechanical deployment mechanism for the TOW liquid components of the deployment mechanism are a pedestal support rail assembly, pedestal support, and telescoping pedestal which facilitate deployment of the launcher to a firing oosition above the deciditional or confidential clearance required to obtain APPI. USAMICOM.

APPI No. MI-59. Cancellation of APPI. Container for Redeve Launcher, published in the 2 August 1966 for Redeve Launcher. Published in the 2 August 1966 for Redeve Launcher. Published in the Approximation of the Redeve Launcher to the Politic Redeve Launcher Published in the Approximation of the Redeve Launcher to the Politic Redeve Launcher Published in the Politic Redeve Launcher.

APPI No. MI-59. Cancellation of APPI, Container APPI No. MI-59. Cancellation of APPI, Container for Redeve Launcher, published in the 2 August 1966 issue of Commerce Business Daily is hereby cancelled due to change in military requirement. USAMICOM

APPI No. ME-10, Cancellation of APPI. Published previously as APPI No. ME-10, GENERATOR SET, GED, 7.5 KW, 28 V, dc, wheel mounted in the 1 June 1965 issue of the Commerce Business Daily is hereby cancelled, APPI No. ME-10 is replaced by ME-115. USAMEC.

APPI No. ME-2D1 Beldes Armored Vehicle

is hereby cancelled. APPI No. ME-10 is replaced by ME-115, USAMEC.

APPI No. ME-35R1. Bridge, Armored Vehicle Launched, scissoring type, class 60, aluminum, 60 foot span, Bridge shall consist of a hydraulic system, scissoring cables, and launching sockets. All elements of hydraulic system shall whitstand working pressure of 3,500 psi and a proof pressure of 7,000 psl without deformation, leakage or damage. Hydraulic hose shall be synthetic rubber composition reinforced with multiple wire braid or wrap and designed for storage in ambient temperatures of minus 65 degrees. F to plus 155 degrees F and for use in ambient temperatures of minus 25 degrees F to plus 200 degrees F. Outside cover of hose shall be neoprene synthetic rubber composition. Hydraulic hose assembly shall withstand pressure surges of 5,000 psl and a rate of 35 surges per minute for not less than 35,000 impulse cycles. Scissoring cables shall be painted with continuous longitudinal, color strip at time rope is measured to length and marked for littings. Socketing of wire rope is required. Steel used in bridge shall be free of laminations, kinks and sharp bends. Corners shall be square and true. Britrs and rough edges shall be square and true. Britrs and rough edges shall be square and true. Britrs and rough edges shall be removed. During aluminum fabrication, all major bends shall be made with metal dies or lixtures to Insure uniformity. Boli holes shall be punched or drilled and all burrs shall be removed. Components shall be bolted in position before riveting. Has or Irames shall be used to mainten alignment and tolerance. Welder's qualification certificate required. In accordance with MIL-B-5088C and Dwg. No. DL13211E7830. FSN 5420-522-9599. No security clearance required to obtain APPI. USAMEC.

APPI No. ME-36R1. Leancher, M60A1 Tank.

USAMEC.

APPI No. ME-36RI. Lemncher, M60Al Tank Chassis, Transporting: for bridge, armored vehicle launched, scissoring type, class 60, Launcher shall be labricated of high strength steel and certificate of test conducted in accordance with Standard Federal Test Method STD No. 151 shall be furnished to the contracting officer. High pressure hydraulic system shall withstand working pressure of 3,800 psi system shall withstand working pressure of 3,800 psi leakage or damage. Cylinders shall operate at 3,800 psi sustained working pressure without external leakage or damage. Hydraulic hose without external leakage or damage. Hydraulic hose without external leakage or damage. Hydraulic hose shall consist of seamless compound Inner tube, resinforcement consisting of wire braid(s) or spiral piles of high tensile steel wire or combination of both and outer cover shall be oil, weather and abrasion resistant synthetic rubber. Hose shall be storable at ambient temperatures from minus 65 degrees F to plus 200 degrees F. All sequencing valves, pressure reilel valves, check valves, flow regulators and the filter shall operate at 3,800 psi working

pressure and hydraulic fluid temperature of 190 degrees F and shall withstand a 7,000 psi proof pressure without malfunctioning or fallure. Launcher shall launch, disconnect and recover 63 foot AVL bridge without evidence of delects. Launcher is intended to be used in au assault operation for launching an AVL bridge across a gap. In accordance with MIL-L \$2325 and Dwg No. DL13211E3100. FSN \$420.889-2020. No security clearance required to obtain APPI. USAMEC.

APPI No, ME-37R2, Crane, Wheet Mounted, 5 Ton, diesel engine driven, hydraulle, pneumatic tired, air transportable. The crane shall consist essentially of a 4 wheel drive; 4 wheel steer; pneumatic tired; diesel engine driven carrier with front end mounted hydraulically operated dozer blade and rear end pintle hook. Carrier shall be a heavy framed, two axle supported, rubber tired vehicle having the general characteristics of an off highway type tractor for mounting a revolvong crane superstructure and appropriate front end dozer. Carrier shall be equipped with a center mounted, full revolvong boom with a telescoping boom, including a manual extension, hydraulically operated cable drum, hydraulically operated cable drum, hydraulically operated cable drum, hydraulically operated cable drum, hydraulically operated clamshell. Crane equipped with basic boom and dozer blade shall negotiate 15 percent side slopes, travel on paved level roads at speeds up to 27 mph. Shall perform in any ambient temperature from plus 120 degrees F to minus 25 Degrees F. Shall be processed to have the inherent capability of fording fresh or salt water to a depth of 1 foot above the top of the transmission without damage to crane or carrier. Lifting and tiedown attachments shall be provided. Equipped with a 4 wheel, power service brake system capable of safely stopping, hoding, and controlling movements, including submersion in water, and with an emergency parking brake. A 24 volt, waterproof, electrical system for service and blackout night travel, lighting of the work areas at nigh

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APPI No. ME-39R2. Air Contitioner, 38.000 BTU/HR, base mounted, self contained, multipackaged, lightweight, air colted, air transportable. Shall operate automatically on the cooling cycle and either minutally or automatically on the heating cycle. Shall be connected for operation on 208 volt or 416 volt, a phase 490 cycle. 4 wire power, and shall be furnished with a compressor motor of the same characteristics. The weight of the air conditioner including the remote control panet and charged with refrigerant and oil shalt not be more than 365 pounds. teristics. The weight of the air conditioner including the remote control panet and charged with refrigerant and oil shalt not be more than 365 pounds. The refrigeration system shall be of the vapor cycle emptoying dichlorodifluoroniethane conforming to specification tibe. Callo, type 12 and shall be furnished with a full charge in the system. Cabinet shall be made of aluminum, enamel finish. Equipped with a full charge in the system. Cabinet shall be made of aluminum, enamel finish. Equipped with asemiliemetic type compressor and air cooled condenser. Electric motor powered using 3 motors; one used for compressor, 8.4 HP, ac, 416 volts 400 cps, 3 phase; one used for condenser fan, 3.02 HP, ac, 208/416 volts, 400 cps, 3 phase; one used for condenser fan, 3.02 HP, ac, 208/416 volts, 400 cps, 3 phase. Naminal cooling capacity 38,000 BTU per hour with an air flow of 1300 CFM rated capacity. Nominal heating capacity 35,000 BTU per hour with airflow of 1300 CFM. The air conditioner is intended for use in providing cooled oir heated air to maintain adequate working temperatures in vans, trucks, trailers or shelters, Air conditioners may be installed indoors fur may be exposed to the weather. In accordance with MIL-A-52195A with Amendment 2 No security clearance required to obtain APPI. No. ME-41. Filter Kit, Infrared, published previously in the 5 October 1965 issue of Commerce Business (APPI No. ME-415. Generator Set, Gasoline English Diven, 7.5 KW, 28 volt, direct current, 2 wire.

No. ME-41, Filter Kit, Infrared, published previously in the 3 October 1965 issue of Commerce Bissiness Daily, is hereby cancelled by USAMEC.

APPI No. ME-41, Filter Kit, Infrared, published previously in the 3 October 1965 issue of Commerce Bissiness Daily, is hereby cancelled by USAMEC.

APPI No. ME-415, Generator Set, Gasoline Engine-Düven, 7.5 KW, 28 volt, direct current, 2 wire, wininerized, wheel mounted. Set shall end of the component of the provided increaser to an aircraft type, de generator, voltage regulator, cutout relay, bauery, wirduccontrols, coming cabinet, wheel mounted frame, motivation equipment and other components and devices as required. Maximum dry weight shall be 810 bis with maximum dimensions of 40 inches long occlasive of the high. Operating (rated) speed shall be 6,000 from. Carvass cover shall be provided for states with flap covered opening for cooling alto, set with flap covered opening for cooling alto, ambient external heat, shall start and operate ambient external heat, shall start and operate of minus 25 degrees. Fat all relative humidities; with 3 inches of rain per hour impinging on set at angles from level of 15 degrees; with base in planes from level of 15 degrees; with base in planes from level at ambient temperature of 90 degrees F. Set, with a temperatures from minus 25 degrees F to all relative humidities; with a ambient temperatures from minus 25 degrees F to all components of the provided on top of set. Industrial heat, shall start and operate at ambient temperatures from minus 25 degrees F to all components and the shall shall be finely and the provided with the high shall be provided on top of set. Industrial hook shall be boiled to rear of frame. Lifting all the provided with planes and the provided with set of the provided with set of the first provided with set of the prov

indoors or may be exposed to the weather. In accordance with MIL-A-52344A, class t and Dwg. No. DL1321tE8400, FSN 4120-959-4453, No security rient-ance required to obtain APPI. USAMEC.

APPI No. EL-183, Central Office, Telephone, Manuat AN/TTC-7A, A complete telephone switching center to interconnect common battery head battery and trunk lines. May be expanded on a 4-panel muttiple basis to interconnect 1000 flues and 160 trunks. No security clearance required to receive APPI. USAECOM.

APPI No. EL-184. Cable Assembly, Special Perpose, Electrical CX-11230()/G. A cable assembly capable of being air-layed and designed for use in comm systems utilizing 24 or 48 freq div channels, time dw systems and transmission of while band data. No security clearance required to receive APPI. ITSAFCOM USAECOM.

APPI No. EL-185. Telephone Set TA-312()/PT. lightweight, portable lield telephone which is a signed for general purpose use. No security elerant required to receive APPI. USAECOM. security elerance

signed for general purpose use. No security circumed required to receive APPI. USAECOM.

APPI No. EL-186. Radar Set AN/PPS-5(). A tightweight, miniaturized, combat surveillance rudar intilizing a stlent type power supply. This equipment is capable of detecting and locating, under conditions of poor visibility, moving targets such as personnet and vehicles. Also capable of detecting and tocating targe fixed targets under llocatistations. To be used in forward conduct areas the provide intelligence of enemy movements. No security clearance required to receive APPI. USAECOM.

APPI No. EL-187. Tactical Imagery Interpretation Facility AN/TSQ-43 and AN/TSQ-43(). The van is a mobite unit containing photographic interpretation frapid and rudar sensors. No security clearance required to receive APPI. USAECOM.

APPI No. EL-188. Radio Set Conitol Grupp

clearance required to receive APPI. USAFCOM.

APPI No. EL-183, Radio Set Control Grunp AN/GRA-39A. Allows an operator to transmit or receive voice communication through a radio set from a distance of 2 miles away. No security clearance required to receive APPI. USAECOM.

APPI No. EL-189, Radio Teletypewriter Set AN/GRC-142(). Provides one-way reversible (simplex) SSB voice, teletype and CW communications over 50 miles ground wave range. Provides for transmission and reception of frequency shift radio-teletype using narrow shift (85 cycle), wide shift (850 cycle) or simultaneous SSB voice pulse narrow shift (85 cycle). No security clearance required to receive APPI. USAECOM.

APPI No. EL-190. Intercommunication Set

APPI No. EL-199. Intercommunication Set AN/VIC-1(V). A variable vehicular type luter-communication set which will provide communication between operating personnel in various type of APPI. USAECOM.

APPI No. EL-191. Radio Set AN/VRC-12(). Provides radio communication in frequency range of 30-76 mc, can monitor two channels simultaneously. No security clearance required to receive APPI.

USAECOM.

APPI No. EL-192, Terminal, Tolograph Telephono
AN/TCC-29 and AN/TCC-29(). Provides shoultaneous of speech signals with voice-frequency lefegraph (speech-plus-duplex operation) and voicefrequency ringing signals. No security clearance
required to receive APPI, USAECOM.

APPI No. AV-17874 1-1787

required to receive APPI, USAECOM.

APPI No, AV-178R1, Indicator, Pressure. Dial, i oil pressure scale, 0 to 100 PSi scale range, 5 I/SI graduated increments, fluorescent leitors, intercent and lined increments, fluorescent leitors, intercent and lined increments, clock hand pointer, fluorescent filuminated, incased, without instrument lamp socket, cicetrical, AC, 26V, 400 cycles single phase, i electrical connection, 3 pin conlacts, and 10066C-108L-3P. O/A dim, 2-5/8 In. ig., 2 in, dia, clamp mtg., a OPL ftem, inicrested concerns should contact wright-flaterson Air Force Base (SEFIP). Ohto, in order to have their product tested and qualified order to solicitation, OPL No, 25438-2. FSN 6620. USAAVCOM.

APPI No, AV-189, Altimeter, Pressura, Topa AALL.

USAAVCOM.
APPI No. AV-189. Altimetor, Pressure, Type AAU-APPI No. accordance with Military Specification MIL-A-27229A with amendment, Applicable to multiple concerns should have their product tested and approved by contacting Wright Air Development Division, Wright-Patterson Air Force Bass, Ohio, FSN 6610-722-9067. No clearance required to receive APPI USAAVCOM.

APPI No. AV-190. Transmitter Pressure, Electrical

APPI. USAAVCOM.

APPI No, AV-190. Transmitter, Pressure, Electrical APPI No, AV-190. Transmitter, Pressure, Electrical Data, AC, 26V 400 cycles, single phase. Connection 3P. Other than electrical connections, 1 7/16 in, dia, internal tube connection, 1 1-1/16 in, dia, cernal mig connection, Pressure sensing clonent, Open internal mig connection, Pressure sensing clonent, Open int. tg., 2-1/4 in, dia, mtg. data, 1 attaching point, engine instrument acti. This ilem is on QPL list instrument acti. This ilem is on QPL list.

testeril and approved by contaction Wright-Patterson Air Greer Base. Ohlo. FSN 6620-553-8854. No clear mea regulated to receive APPI. USAAVCOM.

APPI No. AV-191. Indicator, Aldiude, Extend stabilization, pointer, oscil to show loank of air craft, monhumonus finish, shade pluise, DC, 28V 1 elevirical context dom, O/A dim., 8-225 in deep 5,000 in. dia., with leastmucet lump, 14 pin contact, level mid, 1 kindi, for pitch trim. Tids is a QPI item. Interested concerts slimitic contact. Communiter, Research and Technology Division, Systems Edgaluration for pitch trim. Tids is a QPI item. Interested concerts slimitic contact. Communiter, Research and Technology Division, Systems Division, Arguerian Group, Aeramantical Systems Division, but they theli product tested and qualified prior to receive APPI. USAAVCOM.

APPI No. AT-131RI, Indicary, Dry Charged, 12V type 21N 45 AMPII, Tills APPI was uriginally rechanged in the forensted quantities, MS-350001, Specification MIL-H-11188, No. clearance required to ubdain this APPI nevision, USATAC.

APPI Nn. AT 140RI, Curtaretor Assembly, ORD 1002911. This APPI was urighnilly released 7 March 1967 and this revision reflects changes in the foreasted quantities. FSN 2910-788-8457, No clearance required to plught this APPI revision. USATAC.

reignific to during this APPI revision. USATAC. APPI No. AT-116RI, Buttery, Dry Churged, 12V type 67N 100 AMPH, This APPI was originally released 3 January 1967 and this revision refices changes in the forensted qualities. MS-3500-3, FSN 6440-057-2554, No clearance required to obtain this APPI revision. 138ATAC.

APPI revision. USATAC.

APPI No. AT-92RI, The Pnenmatic, 900 x 20, 8 Ply, NDCC, Nylon, Tilds APPI was originally released 6 September 1966 and the change released compact in the state of the charge of the state of

262-8677. No charance required in outline and revision. USATAC.

APPI No. AT-141. Sprincket, Drive, Track, ORD 8671597 is the idea sprincket for track on various combat tanks. The semeket is composed of Alloy steel plate 1-5.8" thick x 27-3/4 O.D. The I. D. is machined & how a series of both holes for monating purposes. The teeth are usually flaone and and finished by adiading ar milling. This item is not considered difficult to manufacture. SNI, APPL. Middle - FSN 2530-318-0229. Security clearance is not required to ultain this APPL USATAC.

APPL Na, AT-142, Sprucket, Final Drive for M-88 VTR, CHRID 870589.3 is the drive sprucket for track but this vehicle. This sprucket is composed of Alloy steel plate 1-5/8" thick x 28-1/4" O. D. The I. D. ing purposes. The terth are usually flame cut and then finished defines a series of holes used for mounting purposes. The terth are usually flame cut and them in the not considered by grinding or milling. Tils item is not considered by grinding or milling. Tils item is not considered in the Alph. USATAC.

APPL No. AT-143. Sprucket, Track Drive, ORD monores in the object supposed on the M407 - M-110

APPI. - (1-298, FSN 2520-293-5136, Security clearance is not required to obtain this APPI. USATAC.

APPI No. AT-143, Sprucket, Track Drive, ORD 10891835 is the drive sprucket on the M107 - M-110 family of Tanks, The sprucket is composed of Alloy steel plate 1-1/4" thick x 23-1/2" O. D. The L. D. is muchbard & has a series of bott holes for miniming approaces. The teelth are usually flame cut and flaished thy grindhag in oddling. This item is not considered difficult to manufacture. SNI, APPI. G-295A, FSN 2528-22-3633, Security clearance is not required to obtain this APPI. USATAC.

APPI No. AT-144. Sprucket, Track Drive, ORD 10954052 is the three sprucket on the M108, M109, Tanks, The sprucket by composed of Alloy sied date 1 3/4" think x 21 5/8" O.D. The LD, is manufacture and the security clearance is not considered difficult in minimfacture. SNL APPI. - G-296A, FSN 2528-789-2204, Security clearance is not required in receive this APPI. USATAC.

APPI No. AT-145, Pln, Shoe, Liok, ORD 10898687 in the play that the stands of track shoes.

APPI No. AT-145. Pln. Shoe, Lick. ORD 10898687 Is the pin that enuncers the sections of track shoes late a continuous tell, and is used on the Mi07. M110 finally of Tracks. The pin is composed of 7/8" withreads on both ends. This is the composed of 7/8" withreads on both ends. This is the is composed of 7/8" withreads on both ends. This is the is not considered difficult to manufacture. SN C-295A. FSN 2530-733-8153. Secontry clearance is not required to receive this APPI. USATAC.

APPI NO. AT-146. Part. Teach Shoe. OND 10896

ceive this APPI. USATAC.

APPI No. AT-146. Pad, Track Shoc. ORD 10866003 is the temovable rudner pad on T-130 track used
on the M113 fmulty of personnol carriers. Pad is
compased of mulded rubner and is approximately 2"
x 6" x 8". This is a OPI. Hem. SNL APPL. G-294
d G-312. FSN 2530-600-2681. Security clearance is
not required for tids APP1. USATAC.

Appl No. APPLIA (1984) Table OPI 10007799.

APPI No. AT-147. Wheel, Idler, ORD 10907799.
APPI No. AT-147. Wheel, Idler, ORD 10907799.
3 1/8" talck, The I. D. is muchined & there are both holes located around the link for mounting purfactore, SNL APPI, G-294 & G-312. PSN 230-856-2299. Security clearance is not required to obtain this APPI, USATAC.

APPI Nt. AT-148. Springert Drive, ORD 8763353 is the track drive springer in the M113 family at personnel carriers. The approach by composed of Alby steel plate 13/16" thick x 22 1/16" O. D. The 1D. is muchined & his a series of but tubes for mounting purposes. The treth are usually flume end & finished by arbidling or million. This item is not considered difficult to mounfurture. SNL APPL - G-294. FSN 2526-679-7956. Secretly charming is not required to obtain this APPL. ISATAC.

APPL No. AT-149. Product Manager. General Por-

294. FSN 2520-679-7956. Security charmed la not required to obtain this APPI. ISATAC.

APPI No. AT-149. Project Mamager, General Purpose Vehicles, is planning award of a multi-year contract for production of M Series 2-1/2 Ten Trucks during September 1967 and a contract for production of the M656 thring Pehronary 1968. The quantificies of trucks in he procured will require 16-20 thes commencing about 1 July 1968 as original employers commencing about 1 July 1968 as original employers to be procured by the prime vehical embrature. Forecast of replacement requirements in not yet available. The 16-20 tre is a new Linw Section Height military thre designed for maximum cross country mobility with no previous procurement bilatory except for small experimental bits. It is desired to consider for small experimental bits. It is desired to consider for small experimental bits. It is desired to consider for small experimental bits. It is desired to consider for small experimental bits. It is desired to consider for the received in the required for maximum femiliary to initiate plans for establishing production for each type tre. The purpose of this release is to generate interest and encourage the tire bulgstry to initiate plans for establishing production facilities. Comments are furvited on the proposed specifications, estimates of leading required for production and estimates of the probable cost per tire in the quantities involved.

NOTICE

### NOTICE

The following is a reprint from COMMERCE BUSINESS DAILY (published by the U. S. Dept. of Commerce, Chicago, Ill.) issue, dated June 6, 1967 page 2, No. PSA 4325except that the potential suppliers source of information (Name and Address of Installations) will be found on page 2, top of column 1 first three paragraphs.

APPI No. EL-193. Public Address Set AN/GIH-3(), Lightweight transistorized public address system designed for military ground and vehicular service. Each set will consist of a 250 watt amplifier with high mid low impulance inpuls, a remote control unit, noise cancelling microphone, and high efficiency, milit-horn, londspeaker unit. Facilities are provided to drive additional amplifier units from a one signal source. Operates from standard vehicle power sources and is capable of projecting voice messages and music to distant targets. No security clearance required to receive APPI. USAECOM.

APPI No. EL-194. Coder-Burst Transmission Groun

quired to receive APP1. USAECOM.

APPI No. EL-194. Coder-Barst Transmission Group AN/GRA-71(). A complex of components that enables a man without skill in Morse Code to pre-record a Morse Code message on tape and subsequently use it to key the Radio Transmitter of the Radio Set AN/GRC-109. No scenirity clearance required to receive APPI. USAECOM.

APPI No. EL-195. Rudio Set AN/PRC-62(). A man-packett set which provides communication between combat units operating in jungle, desert or other areas. The set is continuously tunable in one ke sleps over the frequency range of 2 thru 29,999 mes, thus providing 27,999 channels. This equipment is capable of uperation while being transported. No seently clearance required to receive APPI.—USA-ECOM.

APPI No. KI-196. Transmitting Set AN/GROUPLECOM.

APPI No. KL-196. Transmitting Set AN/TRT-22(). Air transportable 50 KW MC railin broadcast transmitter facility. No security receive APPI. USAECOM.

receive APPI, USAECOM.

APPI No. KI.-197. Communications Central AN/
TSC-26(), Provides facilities for receiving H.F. Railo
signals which may be manually keyed or high speed
to receive APPI. USAECOM.

APPI No. EI.-198. Railo Terminal Set AN/GRC163(). This configuration emists of all components
necessary to provide Modiplexed FM transmission
of 4 on, telephone channels slimitaneously in the
frequency range 30-76 MHz. Employent may be
mounted in a leep or 1/4 ton trailer on a removable
pallet. The pallet may also be placed on the ground
and the equipment appraical independently from the
vehicle, No security clearance required to receive
this APPI, USAECOM.

APPI No. KI.-199. Modem-Digital Data MD-515()

APPI No. RI.-199. Moniem-Digital Data MD-515()
/GRC. Functionally the same as Modem, Digital
MD-667()/GRC and MD-668()/GRC but not mechanically interchangeable. No security required to
receive APPI. USABCOM.

APPI No. EL-280. Radio Set AN/GRC-103()(V). Provides a full duplex multi-channel communication fuellity when used with 6/12 or 24 channel PCM or 4 channel FDM multiplex equipment. Operates in the frequency ranges of 220 to 405 MHz, 395 to 705 MHz, 695 to 1000 MHz, and 1300 to 1900 MHz whent using the appropriate plug in units. No security charance required to oreceive APPI. USA-ECCIM.

All'I No. EL-201. Ringer Converter Telephone Signal CV-1548. Used at terminal stations to provide ring-down and /or supervisory signaling, for twelve communication channels. Capable of operating with Central Office Telephone. Manual AN/TTC-7 and Switchhoard, Telephone, Manual SB-86/P. No security clearance required to receive APPI. USA-

ECOM.

APPI No. EL-202. Multiplexer-TD-754()/G. When used with Multiplexer TD-753()/G, forms one terminal of a cable multiplex system. When used with Radico Set AN/GRC-103() forms a radio-to-cable conversion repeater. This device processes 6, 12, 24 or 48 channel rate (PCM-TOM) digital communication signals for cable transmission. Two Multiplexer TD-754()/G form an attended repeater. No security clearance required to receive APPI. USAECOM.

APPI No. EL-203, Oirection Finder Set AN/TRD-23. A complete shelter-installed direction finding facility providing elevation and azimuthal data, No security clearance required to receive APPI. USA-ECOM.

security ECOM.

API No. AP-IR-2, Case, Cartridge, 105mm, M-148AlB1, one piece Oesign, manufactured from a spheroidized steel disc, deep drawn, approximately 23.975" L x 5.3302" OD at base to 4.121" ID at mouth, wall thickness varies from approximately .085" to .059", body tapered and necked down, completely heat treated, varying from Rockwell C34 at hase section to RB 85 maximum at mouth, malerial, steel, Succification MIL-S-3289 machined primer hole and base, zinc plating with supplementary chromate treatment, application of lim of wax emulsion to exterior surfaces Specification MIL-W-3588, ballistic testing required for each lot. Manufacturing firms, producing this item will require a highly competent technical staff of engineers, metallurgists, chemists, and tool design engineers to design, fabricate and maintain precision tools for mass production of this tem. This cartridge case is considered very difficult to produce to applicable specifications. No security change and the produce to receive APPI. USAMUCOM.

APPI No. AP-2R-2. Case, Cartridge, 106mm, Modell Accombile 240" I v 5 148" OO at base.

to produce to applicable specifications. No sectivity cleanance required to receive APPI. USAMUCOM.

APPI No. AP-2R-2. Case, Cartridge, 106mm, M94B1, Assembly, 24.0° L x 5.148° OO at base, 3 major components, consisting of Tube, approximately 23.65° L x 4.698° OD tapering to 4.32° at the mouth, wall thickness varies from 120° at base cent to .078° at the mouth, steel strip is perforated with 1160 holes .312° ln diameter and are welded with 1160 holes .312° ln diameter and are welded with 1160 holes .312° ln diameter and are welded with 1160 holes .312° ln diameter and are welded to specification of .22 minimum at base to B90 minimum at mouth, material, Steel, Strip, 1030. Specification QQ-S-700, tube is copper brazed to Head, 5.148° D x 93° L, 8074° O primer hole, and 1-3/8 threaded filler plug hole, annular groove, and 1-3/8 threaded filler plug hole, annular groove, steel, Non-Resulphurized, Special Bar Quality, Specification ASTM-A107, Plug 1.375° D x .40° L, 1-3/8, external thread, two .25° blind holes on one end-material, Steel, Special Bar Quality, Specification ASTM-A107. Heat treatment and stress relief must be performed on the cartridge case body to obtain the required mechanical properties. The head and tobe assembly receives a baked varnish finish after phosphatizing. The plug is zinc or cadminm plated, This case is considered very difficult to manufacture required to receive this APPI. USA-MPI No. AP-13R-1. Fuze, PI, BD, M509A2, APPI No. AP-13R-1. Fuze, PI, BD, M509A2, APPI No. AP-13R-1. Fuze, PI, BD, M509A2,

rity clearance required to receive this APP1. USA. MUCOM.

APPI No. AP-13R-1. Fize, PI, BD, M509A2, APPI No. Components and is cylindrically proximately (40) components and is cylindrically shaped, approximately 1-3/8" D and 15/16" L. Fize is to be furnished by MPTS manufacturer. Major ornator furnished by MPTS manufacturer. Major ornator furnished by MPTS manufacturer. Major ornator size holes, slots, counterbores, and with various size holes, slots, counterbores, and with various size holes, slots, counterbores, and with various size holes, 30ts, counterbores, and shoulders; length, 1441"; D. 1.350"; material is alminum-alloy rod, 2011-T3 or 2017-T4 Spec ASTM inhimm-alloy rod, 2011-T3 or 2017-T4 Spec ASTM slots, counterbores, threads, and holes, on one cind; slots, counterbores, threads, and holes, on one cind; slots, counterbores, threads, and holes, on one cind; det diameter, 0.745"; cylinder height, 0.372"; material is aluminum-alloy rod 2011-T3 or 2017-T4 Spec rial is aluminum-alloy rod 2011-T3 or 2017-T4 Spec rial is aluminum-alloy and rial is aluminum alloy sheet 1100-N12 Spec ASTM B29, Shledi, essentially sheet sheet sheet dividing wall near one end; hollow cylinder with dividing wall near one end; hollow cylinder with dividing wall near one end; hollow cylinder with dividing wall near one end; hollow cylinder sheet sheet dividing wall near one end; hollow cylinder sheet sheet dividing wall near one end; hollow cylinder with dividing wall near one end; hollow cylinder sheet sheet dividing wall near one end; hollow cylinder sheet sheet dividing wall near one end; hollow cylinder sheet sheet sheet sheet sheet sh

competent technical staff consisting of engineers, metallurgists, and tool engineers to design and male-tain precision tools to produce and test the required parts. This item is considered very difficult to produce and test the required parts. This item is considered very difficult to produce in quantities normally required by Ordnance. In addition, a considerable amount of knowledge of various metal-working processes will be required to produce this Item in accordance with Ordnance specifications. No security clearance required to acceive this APPI. USA-MUCOM.

APPI No. AP-33R-2. Mine, APERS, M18A1, Parts

APPI No. AP-33R-2. Mine, APERS, MIBAI, Pints d. 1,988" Wx 4" H with leg and bracket assembly. Ball. 700 each. 211 spherical illimeter, material, steel, bar, Cl015 to Cl020. Specification, QQ.8-633, alternate, steel, wire, 1015 to 1020. Specification of the property of the prop

or 600-A-225/6A; Piston, 2.93" L x 1.88" in diameter, 1.38" internal diameter on large and necked doan in 2 steps in a .196 internal diameter on the control of the control

APPL No. AP-51R-3. Rocket, Motor, 65mm, M54. This APPL which was issued 4 April 1967 is corrected to show Alcan Alaminum, Riverside, California as the current supplier in Block 4b, No security clearance required to receive APPL USA-MULTOM.

APPI No. AP-66R-1. Mine, AT M24. This item essentials consists of the Firing Device, Demolition, XM61. Rocket Launcher Assembly XM143 and the Cable Assembly. Vehicle Detector. Fundamentally, the complete assembly is a complex electro-mechanic device. Major assembly is a complex electro-mechanic device. Major assembly is a complex electro-mechanic device. Major assembly drawings for these basic finitis which are part of the complete XM24E1 end freedive APPI. DSAMUCOM.

APPI No. AP-72R-1. Projectile, Chemical, M121E1 MPTS Assembly consists of six /6/ components. Bods, approximately 23.75° 1. x 6° D, nose section threaded and precision finished with 16 to 32 micro-factors, analytial, steel, ASTM-A273 or MIL-S-11310, heraded and internal firealts, material, steel, ASTM-A407 special bar quality or steel tubing. Specification 10.1-18-80, Romating Band, 6.36° D x 6.09° ID x 1.075° W, material, gilding metal, Specification ML-18-20295, Gasket 2.19° D x 2.43° W, material, gilding metal, Specification ML-18-10292 or MIL-B-20295, Gasket 2.19° D x 2.43° W, material, mibber, neoprene, see S. Class SC. Grade SC515, Specification MIL-19-10292 or MIL-B-20295, Gasket Shlps 110 x 1.25° lbick, material, rubber, neoprene, see S. Class SC. Grade SC515, Specification MIL-19-3065, VCI Paper, approximately 20° square, material, eliand a helium gas test, Exlector is surrounded a lone ammorpher of helium, a maximum of projectile is required. Each projectile mist is and a helium gas test, Exlector is surrounded a lone ammorpher of helium, a maximum of projectile is required. Each projectile mist is and a helium gas test. Exlector is surrounded a lone ammorpher of helium, a maximum of projectile inspection in the nose section of projectile in the projectile considered very

requirements. No security clearance required to receive AFPL USAMUCOM.

APPL No AP.74R-1, Fin Assembly, M2, 2.375° D x 2.53° 1, and consists of two components. Cartidate Container. 94° D x 2.420° L, one end has 75-18NS-28 internal threads, 4° minimum depth, and last a shoulder .365° from end and is threaded the .365° from end and is threaded the shoulder .365° from end and is threaded the .365° D cavity at various locations, material, he .658° D cavity at various locations, material, ASTM Albs, Fin, .0625° thick x 1.90° L, single hub area lone. Hub area contains two .25° D holes per assembly are located on 90 degree centers and conjust to forming of the .47° hub radius. Four fins copper brazed to carridate container. Final protective int.1 and 20.1, dive drab number X34087. The fin assembly is considered not difficult to produce. No MUCOM.

plastic. Disc, flash, gilling metal .003" thick. Washer, lead sheet .062" thick. Plag, filler hole, sirel 1009 in 1020 .059" thick. Gasket, rubber .078" thick. Bushing aluminum allay md 1.125" D. Holder, Delay, zinc die casting ur aluminum rod .922" D. Housing Delay, zinc lass allay, die casting or uluminum alloy rod 1/2" diameter and Washer, Delay, Same material as Hulder, Delay, Various components, require phosphating, painting, plating, to meet various salt spray requirements, Manufachurling firms bidding this item will require a competent staff of engineers, metallurgists, and tool engineers in design and meintain precision tools. This Item Is considered somewhat difficult to produce in accordance with specifications. No security clearance required to receive APPI. USAMUCOM.

and maintain precision toots, 1815 from accordance with somewhat difficult to produce in accordance with specifications. No security clearance regulard to receive APPI. USAMUCOM.

APPI No. AP-93R-1, Fuze, Mine, M605, MPTS—18 4.44" L x apprix, 94" W with 3 assemblies and 22 components. Release safety assembly, consisting of standard ordinance eyelet cotter pin unit 10" puril, material, commercial glazed cortain fixture #2 or commercial white 8 strand ention eard, Pin, safety striker positive assembly, 2 components, curd, 10" L, material, cord, flone, waxed 6 ply and pin, safety striker positive assembly, 2 components, curd, 10" L, material, cord, flone, waxed 6 ply and pin, safety striker, 1.0" L, 111" max D with 3 marchhed stops to minimum of .044" with hales thillfell in diameters at each end, malerial, zinc have alloy, die cast, comp B, alternate, dimminum alloy ride cust, comp. 5, SA, 10 or 11. Prong, 3 ca., 1" L x, 675° D with flats, 678" x 1/16" W, 1/8" from end of prong, material, sheal minimum alloy rod, condition T, alternate aluminum alloy die cust, comp. 5, SA, 10 or 11, alternate aluminum alloy rod, condition T, alternate aluminum alloy die cust, comp. 5, SA, 10 or 11, alternate zinc base alloy, comp. B, Phi, 1,0" L x, 0360" D with .08" eye ID at one end, material, steel, music wire. Plin, .98" L x, 280" D willi mamachined flat on side to .246" x, .55° L off center hole .312" D, and trumion, .212" D x, .425° L, muturial, diameter .665" step diameter .375" with .129" center finds an oppusite end, material, zinc base alloy die cust, comp. 5, SA, 10 or 11, Ring release, .3/8" OD willi .29 projecting ends, approx 2 full coils, material, steel, .025" D music spring wire. Spring, .194" DD x 4-1/2 coils, free heighbit .277" material, steel, .025" D music spring wire. Spring, .194" DD x 4-1/2 coils, free heighbit .277" material, steel, .045" D music spring wire. Spring, .10 and 2 flats, .076" D al approx 1.45" from 30 dispring rial, steel, .045" D music spring wire. Spring, .5 and thread with .4375" -20 UNF-FS1009, CR, temper #2, finish #3, alternate, steel, strip, PC1015 or FS1020, CR, temper #4, flutish #1, steel, strip, PC1015 or FS1020, CR, temper #4, flutish #1, synthetic rubber, sheel, type RS, 510112, Spring, c5" OD, 3 colls, free heighth 57" malerial, steel, c5" OD, 3 colls, free heighth 57" malerial, steel, dispered at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15 degree x, 13" ID x, 173" litek, Houstoner at 15" L x, 237" name the degree at 15" literal, 4375" 20 L x, 375" max D with one end litread, 4375" 20 L L and 101" D x, 55" Cutter bores, 199" D x 1" L x, 237" OD with 21" ID and 0.11 hase will, item is considered difficult to manufacture in applicable specifications. No security clearance required a feetive APPI, USAMUCOM.

ASTM AIRS, Fin., .0625° thick x 1.90° L, single picce construction consisting of two blades and a price to forming of the .47° hub radius. Four first per ascembly are licated on 90 degree centers and initial. Sperification MIL-STD.171, finish number i.1.1 and 20.1, dive drab number X34087. The finish security clearance required to receive APPI. USA-X34087. The finish security clearance required to receive APPI. USA-X4087. The finish security clearance required to receive APPI. USA-X4087. The finish security clearance required to receive APPI. USA-X4087. The finish number is approximately 17 components. Body, 3.87° L and 2.18° L and 3.278° ID. 3.35° deep with counter-Detonator, cup shape approximately 17 components. Body, 3.8° L and 3.278° ID. 3.35° deep with short threads on outside and inside, malerial, top, 3.45° D x 40° thick with hib 1° thick x 1-3/8° casting, Pipe, Flash, approx 1° D x 3.57° L and 5.27° ID with short threads on ear x 3.57° L and 5.30° Material. Case and leader of the M57 consists of a pappox 4° The leader position is approx 4° The leader position is approx 3.652°. The with short threads on ear x 3.57° L and 5.30° Material. Bray ton casting, Pipe, Flash, approx 1° D x 3.57° L and 5.30° Material. Case and leader position is approx 2.75° Thickness — The litchness is approx 2.75° Material. Case and leader — plastic poly-connects consist of gaskets, copper strips, engage of the M8.21 male and the connector is approx 4° The components consist of gaskets, copper strips, engage and the proportion of the connector is approx 4° The security of the proportion of th

andliwant-seronds as dissipated through 1.76 olums an a 3.25 olum head. Total time to deliver this energy the 10 millional crucked position and be capuble in repeated use with a denile pulse (positive an repeated use with a denile pulse (positive an imparter) for each actuation. Actuation relieful an impallive for each actuation. Actuation relieful approach of the solution of the million of the million of the million of the million of meeting all implicable specifications. No secutive character required to territor APPI, ISAMUCOM, APPI No. AP.124. Test for liferitie, M40. The M50 is set by a small mixiliary test device for the district of the million of the

APPI No. FA-60. MPA1 Hox. Required for all-APPI Nn. FA-6B, M2A1 Hox. Required for all versified use in the packaging of small mass amounting and artiflary faces. Shelf construction indeed cover with varieting stage and scaled gaster Approximate dimensions 12 x 6-3/32 x 7 1/2, Nn. Ferderal Stock Number. Nn. secondr. chemical required in repeive APPI, ISAMIJCOM.

APPI Nn. FA-61. M28 Inflatice. Consists of a constant volume channels with a pressure multer part, incorporation a standard pressure in truncied ficing mechanism and AM91 Curtiships. A, length of infer or hose counsets the hillship in another remodely installed propellinal device, is conditional difficult to produce and reighter regions of the produce and reighter regions. Find hisporetion and Omilly Assurance. FSN 1377-734-9886. No scriptly eleganter employed to receive APPI, IISAMIJCOM.

APPI. DSAMIJCOM.

APPI WE 273. Appeting, Rear Sight, This is a small arms part for the M79 Grenaris Launcher, This component is usuale of brazel steel. It is stamped, formed, udiled, heat-treated, and phosphotocuated. This component is nonlegately difficult to make, ESS 1000-3000-3000, No security charance is required, DSAWICOM.

Appl. WE 274 Louise Ecology Dayloyd for bouch

reinfreil, DSAWICOM,
APPI WE-273, Luthe, Engine, Designal für heich
ints, sudil beil type, Itt in, tateil swhip, 20 hi renter
distance w/sulli had, sleer runn pulley, bick geared
they healstrek, Nii, 2 Minse tiper criter slze, i 3/8 illi hide through sphulle, 8 sphulle specifs, inh,
hand & puwer crits feet, 1 cartinue, infirk change
tems, 30 feet chinges, mln, eleritir autor drive,
3/4 lip, sie, III v. 6lt cycl, simile phase, in accordiner w/Dril Den Nii, 754/30t. In necerciauce
with Fad Spec (0td, 428, FSN 3446-517-0955, Nn
scenrily rlearnace is required. HSAWICOM.

ADDI WE-278, 2 to Technical Tisa Bound Christia

APPI WE-275, RIG. Talifers: The Repair (Outside in) Adams 1959 Inc. Mailel 100 or equal, Include: Metal Curry Rox | reasonable to Tout with Needle | reasonable dependent of the Cautaline | december | cass-leak Speker Mairiel | cass-londing Campound | 2 cass-Skitting Kuffe | cats-Reedle, 8º | 2 cass-ISN | 4910-922-6921. No security clearance | security | securit

AIPT WE-276. Meter, Time Tutalizing, A direct tending drum type Indicator with other technical requirements. Meter is in he in necordance with 500c. MII-M-071 and Oct. Dwg. C8636343. ESN USAWICOM.

APPI WE-277. Case, Lalitteant for Rifle MI, MI4, and fanucher arcande M79. The indirlend case consists of the tube assembly. Cop assembly, glease, and cap assembly, nil. The entire case has a maximum length of 2.7 laches, FSN 1005-791-3377. No seemely elearance is required, USAWECOM.

ADDI WE-278. Cases: This is a small time part.

APPI WE-278. Safety. This is a small arms part for the M14 and M1 Rifles. The material requirements for weamant material are steel, Fed Spec, M11, S-244; IC-860. Inspection will be in necordance with M11, C-6021. Hent treatment is required in material. FSN 1005-554-6015. No security clearance is required. USAWIECOM.

APPI WE-270. Counter Potation Materials Dis-

APPI WE-279. Counter, Rotating, Medianical, Direct Drive. This counter is millized on the M113, M115, and M117 panitamic lelescopes, Counter shall meet the regulrements of Spec MII. C-60618

with dimensions and tolerances in aerorimire with MIL-STD-8, FSN 6680-907-0737. No security charance is required, USAWECOM.

ance is required, USAWECOM,

APPI WH-280, Reticle, This is a component of the M3, M13, and M13A1 Binocentars. It is in negoriance with M11. F-146P) and is considered difficult to manufacture. Inspection Requirements are listed in the TDPI, which will be available to all interested inhibers. FSN 6650-617-3980, No security clearance is required. USAWECOM.

APPI WB-1. Rifle Col. 22 M12 postulated

APPI WB-1, Rifle, Cal. 22, M12 published previously in the 2 March 1965 issue of the Commerce Illustress Dully is herefry cameelled by USA-

APPF WK-2, 22 Cul. Automatic Pistal published arevinusly in the 2 March 1965 Issue of the Commerce Hustness Dully is hereby emicelled by USA-WECOM.

APPI WE-5. Armament Subsystem, Hellennter, 40 MM Grenade Lanncher M5 untilished previously in the 1 June 1965 Issue of the Commerce Business Dally is hereby enneelled by USAWECOM.

APPI WK-8. Stintigm, 12 Gauge, Riol Type published previously in the 7 Septembr 1965 issue of the Chamberge Business Dally is hereby cancelled by USAWECOM.

APP1 WB-12, Swah published previously in the 2 Navounter 1965 Issue of the Commerce Business Daily is hereby emicelled by USAWECOM.

APPI WR-13, Magazine, Cartridge miblished pre-viously in the 2 Navember 1965 Issue of the Com-merce Business Dally is hereby cancelled by USA-WECOM.

APPI WE-14. Target, Silhonette published previously in the 7 December 1965 issue of the Commerce Insiness Dully is hereby enucelled by USA-

APPI WE-16. Stock Subassembly published pre-vinusly in the 7 December 1965 issue of the Com-merce Business Dully is hereby emicelled by USA-

APPI WB-212, Range Finder, XM23E2 published previously in the 6 December 1966 issue of the Commerce Bushness Dally is hereby cancelled by USAWECOM.

USAWECOM.

APPI No. AV-191R1. Inilicator Attitude. External stabilization, pointer, used to show bank of alrerall, nonluminous finish, single planse DC, 28V, 1 electrical connection, O/A ilim., 8,225 in. deep, 5,000 in. dian., with instrument lamp, 14 pin condacts, bezel mtd., 1 knob, for plich trim. This is a QPL item. Interested concerns should contact directorate of technical data, cataloging and standardization, standardization Division, U. S. Army Avlation Materiel Commani, St. Lonis, Missouri, 63165, Adin. AMSAV-MN, in order to have their product tested and qualified prior to solicitation. FSN 6610-965-9840. No electrance required to receive APPI. USA-AVCOM.

APPI No. AV-192. Release Cargo Baseland.

APPI No. AV-192. Release, Cargo, Paracinte, 1300 pound minimum load eapneity, 5000 pounds maximum canacity in accordance with MIL-Spec, MIL-R-43003B with amonthments and NLABS drawing 11-1-71, Revision "E", FSN 1670-799-8494. No clearance required to receive APPI, USAAVCOM.

clearance required to receive APPI. USAAVCOM.

APPI No. AV-193. Parachinte, Cargo, 100 Ft. Dia.
ennoy, olive green, slade No. 106, nylon, flat
circular, with reefing rings and enter pockets. Size
encked; 48-5/16 in LG., 35-1/2 in. W., 6 in H. 250
lbs. ntial packed weight. Attached by loops on 60
ft risers. Loud capacity 3500 lbs., @ 185 MPH. list
of major commonents include; I canopy part numter 4817841-3, I bag, itenloyment number 50K7415
and I brulle part number 52D6354, in accordance
with MIL. Spec MIL.P-7620 and USAF drawings
51C6748 and others with exceptions. ESN 1670-2691107. Nn cleanance required to receive APPI, USAAVCOM.

AVCOM.

APPI Nn. AV-D94, Parachnic, Persimnel, back style, 28 ft. ifts, in accuratance with USAF drawing 50C7024, fatest revisinn, smil details listed in hid. This item is on QPL list No. 6645-F dated 24 March 1966, and MIL-STO-849, 8 April 1965. Interested concerns should have their aroduct tested and multifled by contacting the Aromantical Systems Division, ASNPSP-3, Wright-Patterson AFB, FSN 1670-805-9036. No clearance required to receive APPL USAAVCOM.

APP1. USAAVCOM.

APP1 No. AV-195. Paracinte, Personnel, Troop inck-pack, attached back, offive drab, coffon, canopy 35 ft, din., nlive green, nytom harness, upick release, nilve drait, nytom AF 59E6173. Canopy opened by static line. In accordance with MIL-Spec MIL-P-6645E with amendment and MIL-SPI 849 dated 8 April 1965 and AF drawing 59E6228. This Item Is no QPI, list 6645-14, Interested converts should have their printice tested and qualified by contacting the Aerimantical Systems Division, ASNPSP-3, Wright-Putterson AFB, ESN 1670-753-3727. No clearance required to receive APPI, USAAVCOM.

APPI No. AV-196. Parachite, Cargo, extraction,

required to receive APTI, USAKVOUN,

APPI No. AV-196, Parinchinte, Cargo, extraction,
entopy, 22 ft. dia. in accordance with USAF drawing 59B6209, Intest revision with exceptions as stated
in bid. FSN 167B5687-5458. No clearance required to
receive APPI, USAKVCOM.

APP1 Nn. AV-197, Parachule, Cargo, extraction, 15 APPI MI. AV-197. Paratemie, Cargo, extraction, 15 ft. dis. nylou canopy, without platform release cable assembly, in accordance with MIL-P-7620B and MIL-C-94BIA with amendments and exceptions, as stated in bid. AF ilrawing 61A4312 with exceptions also applies, FSN 1670-052-1548. No clearance required in receive APPI, USAAVCOM.

APPI No. MI-82, AN/GSA-77 Data Converter for the Control and Coordination System. Allows complete check of battery pulput, battery interface, BTE and battery display equipment, maximum size 5 1/2 cn. ft., weight 300 lbs, power output 300 wits, MTBF 2500 brs. No clearance required to obtain APPI. USAMICOM.

APPI. USAMICOM.

APPI No. MI-69RI, Control Surface Actuators —
TOW Missile System — Two-position, linear-stroke,
Itelium-Gas operated actualors drive the missile control surfaces, Extension of the control surfaces from
the folded position activates the system, releasing
compressed gas from the storage bottle into a manifoid. Variation in the dwell times at the end of the
stroke achieves the effect of proportional control surface deflection without the high cost of proportionaldeflection neurators. No Federal Stock Number Assigned. Confidential clearance required to obtain
APPI. USAMICOM. APPI, USAMICOM.

APPI No. MI-2. Cancellation of APPI. Bistatic Railar Reflectors, published in the 6 April 1965 issue of Cammerce Business Dally is hereby cancelled the to change in military requirement, USAMICOM,

APPI No. MI-5, Cancellallon of APPI. Fail Safe Kit, published in the 4 May 1965 Issue of Commerce Bushiess Dully Is hereby cancelled due to change in military requirement, USAMICOM.

APPI No. MI-23, Cancellallon of APPI, Target System Missile, published in the 6 July 1965 issue of Channerce Business Dally is hereby cancelled due to change in military requirement, USAMICOM.

APPI No. MI-39. Cancellation of APPI. Shillelagh Dimmiy Guided Missile, published in the 7 December 1965 issue of Commerce Business Dally is hereby cancelled due to change in military requirement. USAMICOM SAMICOM.

APPI No. MI-57. Cancellation of APPI. Alignment Test set, Transmitter, Shillelagh, published in the 5 July 1966 issue of Commerce Business Dally is here-by cancelled due to change in military requirement.

by enneelled due to change in military requirement. USAMICOM.

APPI No. ME-4R2. Generator Set, Gasoline Engine-Driven, 5.0 KW, 60 cycles per second, alternating entrent, alr cooled, portable, tubular frame, skid mounted. Set shall consist of a model SF-5.0-MD, portable, 5 KW, 0.8 pf laggling, 60 cps, ac alr cooled, tubular frame, skid mounted generator and a Government furnished military standard engine, model 2A042, FSN 2805-776-0484. Overall dimensions shall be 39 3/4 linches long, 30 inches w., bc, 25 inches high and net dry weight shall be 436 lbs. Operating (rated) speed is 3.600 rpm. Set shall be connectable for 3 phase, 4 wire, 120 volts line to neutral and 208 volts line to line (120/208 volts); 3 phase, 3 wire, 120 volts line to line, single phase, 2 wire, 120 volts, single phase, 2 wite, 240 volts. Set shall start and operate, without external beat, at ambient temperatures from plus 125 degrees F to minus 25 degrees F al any relative homidity. With external beal, set shall start and operate at ambient temperatures from minus 25 degrees F to minus 65 degrees F. Amblent temperature within control box shall not exceed 175 degrees F under all operating conditions. Set is Intended to supply power for general purpose use. In accordance with MIL-G-52279A and Dwg. No. DL13211E6695. FSN 6115-017-8240. No security clerance required to obtain APPI. USA-MEC.

No security clerance required to obtain APPI. USA-MEC.

APPI No. ME.24R2. Bridge Unit, Amphiblous, Mobile, Floating, Assault, Interior Bay: Includes hull with its propelling mechanism. The hull is an aluminate amphibious, self-propelled, wheeled vehicle which serves as an interchangeable earrier for the hridge superstructure. The unit is a water (light amphibian mounted on four by four chassis. The amphibian mounted on four by four chassis. The wheels are fully retractable in wheel wells. The operating power for the wheel axles, rudder-propelled unit, livdraulic pumps, compressor and bilge pump is supplied by diesel engine through a distributor-gear unit. The hull contains all brackets, appurtenances and accessories as required to mount the machinery and superstructures so as to form a vehicle capable of transporting, serving as a floating support, providing actuation power and marine propulsion for the floating bridge and ferry. The superstructure (bridge unit or deck unit) is the interior only used to form floating bridges and ferries, fabricated of low alloy steel. On entering water, the superstructure (deck section) is rotated 90 degrees by hydraulic pin continus mid mule and female adapters for right formling of bridge sections. In accordance with MIL-Hilm of bridge sections.

APPI Nn. ME-25R2. Bridge Unit, Amphibions, Mobile, Flonting, Assault, End Bay: Includes hull with its propelling mechanism. The holf is an aluminum, amphibions, self-propelled, wheeled vehicle which serves as an interchangeabte carrier for the bridge superstructure. The unit is a water tight imphibian mointed on four by four chassis. The wheels are fully retractable in wheel wells. The operating power for the wheel axles, indder-propelled unit, hyltranlie pinmis, compressor and bitge pinmis supplied by diesel engine through a distributor gear unit. The hull contains all brackets, appurtenances and accessories as required to moint the machinery and superstructures so as in form a vehicle capable of transporting, serving as a flouting support, providing actuation power and marine propulsion for the floating bridge and ferry. The superstructure (bridge unit or deck unit) is the end by (ramp) unit used to form floating bridges and ferries, fabricated of low alloy steel. On entering water, the superstructure (deck section) is rotated 90 degrees by hydraulic power and automatically moved into position. Each deck end has hydraulically operated section can accommodate banks to ten feet above water level and 2 feet below water level. In accordance with MIL-H-52354A. MIL-B-52355A. MIL-S-52356A. Driwing Number DL13207E5410, Dl.13207E1520 and DL13207E1530. FSN 5420-010-5192. No security clearance required to obtain APPI. USAMEC.

API No. ME-27R2. Tank Assembly, Fabric, Collapsible: 10.000 gallon, petroleum. Took shall con-

with MIL-H-52354A. MIL-B-52355A. MIL-S-52356A; Drawing Nimber DL13207E5410, DL13207E1520 and DL13207E1520. FSN 5426-010-5192. No security clearance required to obtain APPI. USAMEC.

APPI No. ME-27R2. Tank Assembly, Fabric, Collapsible: 10,000 gallon, petroleum. Taok shall consist of a collapsible, barrier-coatell fabric tank, vent pipe assembly, inlet and outlet fitting assemblies of fabric reinforced, flanged type. Tank and components shall withstand ambient temperatures from plus 150 degrees F to minus 40 degrees F. Unless otherwise specified, body fabric shall be single ply. Fabric shall be nylon, square woven cloth with a muximum weight of 8.5 plus ar minus 0.2 ounce per sq. yd. Coating compound shall be resistant to hydrocarbun fnels. Tank shall be farbicated and vulcanized as a complete unit in a steam pressure type autoclave. Tank handles shall be of rubber cnated, nylum fabric and withstand a pull of 1,000 lhs for not less than one minute. Tank shall not leak and there shall be no evidence of seepage when tank contains 10,000 gallons of fuel, no air leakage when under an internal pressure of one psi. Vent assembly, pressure relief valve shall open when tank is subjected to minternal pressure of three inches of water. Filter elbow assemblies shall withstand a hydrostatic pressure of fifteen psi without failine. Tonk assembly is intended to be used for the storage of hydrocarbon products in connection with light weight hose line fuel supply systems. Components are fixed in the Army Supply Catalog SC\$30,93.CLE6t. Complete Tank Assembly shall conform to Dawing DL 13200E 6370. Fabrication of tank shall be in accordance with MLLT-12260B with Amendment and Dwg. No DL13200E6380, FSN \$430-641.8552 No security clearance required to obtain APPL USAMEC.

APPL No. ME-44Rt, Air Conditioner, 16,600 BTU/HR: Base mounted, self-contained, compact lightweight, air enoded. The refrigeration sween in shall be of the termetic type in which the compressor and motor are enclosed in the same hous including the control hox and a

nnce remnired to obtain APP1. USAMEC.

APP1 No. ME-50. Concetlation of APP1: Published previously as APP1 No. ME-50. air conditioner, 60 cms. 36 000 BTU, in the 7 December 1965 issue of Commerce Business Daily is herely cancelled. APP1 No. ME-50 is replaced by ME-71. USAMEC.

APP1 No. ME-97. Cancellation of APP1: Published previously as APP1 No. ME-97, Generator set, GED, 7.5 KW. 28.5 volts, direct current, wheel mounted in the 7 June 1966 issue of the Commerce Business Daily is hereby cancelled. APP1 No. ME-97 is replaced by ME-115. USAMEC.

APP1 No. AT-76R7A. Track, Shoe Set, Ord 10935723. This APP1 was originally released in July 1966 and this revision reflects chanes in the quantities forecast. FSN 2530-955-9448. No Security Clearance required to receive this APP1 revision, USATAC.

APPI No AT-89R1. Transmission Assembly to the difference of \$703527. This APPI was sufficient for the difference of the quantities forecast. FSN 2526.03314.06. So Security Clearance replied to re-

APPI No. APPI revision. DNATAC.

APPI No. AT-HIRE Regulator, Engine, Generator Country. Amendat. 25 AMP. 24 Vol. MS-51356-1.

This APPI was estimably released in January 1967 order of the regular reliefs changes in the quantities EST-2920-353-3677. No Security Clearance of regular to regular this APPI revision. USATAC.

APPI No. APPI No. APPI revision. USATAC.

APP1 No. AT-(46R1, Pad, Track Shoe, Ord Br.7 and the APP1 was originally released in May Quantities thereof the revision reflects changes in the Cle 17-17 required to receive this APP1 revision. Ord

APP1 No. AT-150. Read Wheel, Solid Rubber, Orl) 70(3) % h. is a component of the Drive Track on its formed time beautiful M42 M43 Lands of combat tanks. The Steel Oise Bracel. 218 O. D. x 38 thick. Rubber is bouled to those of D. Those is 40.PL, item. Ther are ten (10) F5N 250 70(4) which SNL — G254 family. No Security Clements Bracel B

APPI No. AT 151. Wheel Assembly, Solid Rubber, Trace. Suprout Ord 8674928, 15 a component of

ORDER

FORM

Track on the various tracked vehicles In the Afrillian-light tank family. The assembly is remposed of a one (1) piece steel disc (formed) with infilter vulcanized to O.D. of the Disc. The O.D. Inclinding rubber 12" x 3" wide, There are six (6) holes differ around the O.D. for mounting purposes. This is a OPL item, FSN 2530-699-7849, SNL.—Various, Nu Security Clearance remired to receive this April OPL item, FSN 2530-699-7849, SNI. — Various, No. Security Clearance required to receive this APPL USATAC.

USATAC.

APPI No. AT-152. Road Wheel, Sollid Rubber, Tire, Ord 10919004, is part of the track suspension system on the M108-M109, Self propolled Howlter carriers. This assembly consists of an aluminum forged dise with a steel wear plate riveted in plans and robber ruleanized to the O. D. of the wheel. The O.D. including rubber is 24" x upproximately 5" vide. There are ten (10) holes drilled anomal the I. D. for mounting purposes, This is a QPL floring FSN 2530-801-6702. SNL — G296. No Security Clearance is required to receive this APPI, USA.

APPI No. AT-153, Road Wheel, Solid Rubber, Tire, Ord 10891631 is part of the track suspension system on the M-107-M110, Self propelled Howlizer carriers. This assembly consists of a formed steel disc with a steel support ring welded in the disc. Rubber is vulcanized to the Q. D. of the disc. The Q.D. is 32 1/4" including rubber x approximately 4 1/2" wide. This is a QPL Rem. FSN 2530-722-3630, SNL — G295, No Seeurity Clearance reighbed in receive this APPI. USATAC.

APPI Nii, AT-154, Wheel, Sollid Rudder, Tu-Oil 9002158 is part of the Track anspeasion system of the Hawk Transporter. This assembly posses at a forged Aluminian allse approximately 24° D.D. at 3° wide with inducer valuatized to the D.D. at 3° wide with inducer valuatized to the D.D. at SNL-1394A, No. Scenify Clearance templed in R. SNL-1394A, No. Scenify Clearance templed in R. APPI, No. AT-155, Track Show CT-DOS A.

APPI No. AT-155. Track Shor (T-138). Ord 109
48405 is that of the track assembly on the XM-551
Albred Sard of the track assembly on the XM-551
Albred Sard Inging, which is inhibit backed a
renter guide (NON-traceable paid). Bushings (5) are
mouthful into the steel body & a Ph. & 2 mix for
instant. The assembly weights approximately lift in
& 15, 17, 172 hung v approximately 5, with: This is
a OPI, from FSN 1530 OPI 6477. SNI. — Fi310A,
APPI, USATAC.

APPI, No. AT-156. Grounders, but a view.

APPI, USATAC.

APPI No. AT-156. Generator, 100 AMP, Alienator Fusing JS Volt. John Bunt. RPM, Reveishie 7954720 is a under component in Electrical System of various turks in the utilitary system. FSN 2926-121,000 and the property of the p

COMMERCE BUSINESS DAILY, published by U. S. Department of Commerce Field Services, P. O. Box 5999, Chicago, Illinois 60680

The Daily lists currently proposed procurements of the Department of Defeuse and civilian agencies.

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# NOTES

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